



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

Company Name	Waipa Networks Limited
Disclosure Date	27 August 2013
Disclosure Year (year ended)	31 March 2013

Templates for Schedules 1–10
Template Version 2.0. Prepared 21 December 2012

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Company Name

Waipa Networks Limited

For Year Ended

31 March 2013

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

1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure	13,449	199	70,024	2,289	21,827
Network	6,027	89	31,380	1,026	9,782
Non-network	7,422	110	38,643	1,263	12,046
Expenditure on assets	17,051	253	88,776	2,902	27,673
Network	17,014	252	88,584	2,896	27,613
Non-network	37	1	192	6	60

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	61,194	907
Standard consumer line charge revenue	58,028	860
Non-standard consumer line charge revenue	3,166	47

1(iii): Service intensity measures

Demand density	33	Maximum coincident system demand per km circuit length (for supply) (kW/km)
Volume density	170	Total energy delivered to ICPs per km circuit length (for supply) (MWh/km)
Connection point density	11	Average number of ICPs per km circuit length (for supply) (ICPs/km)
Energy intensity	14,829	Total energy delivered to ICPs per Average number of ICPs (kWh/ICP)

1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	4,753	22.11%
Pass-through and recoverable costs	7,163	33.32%
Total depreciation	3,220	14.98%
Total revaluation	755	3.51%
Regulatory tax allowance	1,125	5.23%
Regulatory profit/loss	5,994	27.88%
Total regulatory income	21,500	

1(v): Reliability

	Interruptions per 100 circuit km
Interruption rate	9.15

Company Name	Waipa Networks Limited
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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 31 Mar 11 %	CY-1 31 Mar 12 %	Current Year CY 31 Mar 13 %
2(i): Return on Investment			
Post tax WACC			
ROI—comparable to a post tax WACC		6.15%	5.80%
Mid-point estimate of post tax WACC		6.40%	5.85%
25th percentile estimate		5.68%	5.13%
75th percentile estimate		7.11%	6.56%
Vanilla WACC			
ROI—comparable to a vanilla WACC		6.97%	6.58%
Mid-point estimate of vanilla WACC		7.22%	6.62%
25th percentile estimate		6.51%	5.91%
75th percentile estimate		7.94%	7.34%
2(ii): Information Supporting the ROI			
			(\$000)
Total opening RAB value	88,086		
plus Opening deferred tax	(1,302)		
Opening RIV		86,783	
Operating surplus / (deficit)	9,583		
less Regulatory tax allowance	1,125		
less Assets commissioned	4,392		
plus Asset disposals	230		
Notional net cash flows		4,296	
Total closing RAB value	89,783		
less Adjustment resulting from asset allocation	0		
less Lost and found assets adjustment	-		
plus Closing deferred tax	(1,724)		
Closing RIV		88,059	
ROI—comparable to a vanilla WACC		6.58%	
Leverage (%)		44%	
Cost of debt assumption (%)		6.31%	
Corporate tax rate (%)		28%	
ROI—comparable to a post tax WACC		5.80%	

Company Name **Waipa Networks Limited**
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SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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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		
59							
60	April					-	
61	May					-	
62	June					-	
63	July					-	
64	August					-	
65	September					-	
66	October					-	
67	November					-	
68	December					-	
69	January					-	
70	February					-	
71	March					-	
72	Total	-	-	-	-	-	

	Opening / closing RAB	Adjustment resulting from asset allocation	Lost and found assets adjustment	Opening / closing deferred tax	Revenue related working capital	Total
74						
75	Monthly ROI - opening RIV	88,086		(1,302)		86,783
76						
77	Monthly ROI -closing RIV	89,783	0	(1,724)		88,059
78	Monthly ROI -closing RIV less term credit spread differential allowance					88,059
79	Monthly ROI—comparable to a vanilla WACC					0.01
80						
81	Monthly ROI—comparable to a post-tax WACC					0.01

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

84		
85	Year-end ROI—comparable to a vanilla WACC	6.74%
86		
87	Year-end ROI—comparable to a post-tax WACC	5.96%

* 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.

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

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	3(i): Regulatory Profit	(\$000)
7	3(i): Regulatory Profit	
8	Income	
9	Line charge revenue	21,626
10	plus Gains / (losses) on asset disposals	(128)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	1
12		
13	Total regulatory income	21,500
14	Expenses	
15	less Operational expenditure	4,753
16		
17	less Pass-through and recoverable costs	7,163
18		
19	Operating surplus / (deficit)	9,583
20		
21	less Total depreciation	3,220
22		
23	plus Total revaluation	755
24		
25	Regulatory profit / (loss) before tax & term credit spread differential allowance	7,118
26		
27	less Term credit spread differential allowance	-
28		
29	Regulatory profit / (loss) before tax	7,118
30		
31	less Regulatory tax allowance	1,125
32		
33	Regulatory profit / (loss)	5,994
34		
35	3(ii): Pass-Through and Recoverable Costs	(\$000)
36	Pass-through costs	
37	Rates	77
38	Commerce Act levies	23
39	Electricity Authority levies	56
40	Other specified pass-through costs	
41	Recoverable costs	
42	Net recoverable costs allowed under incremental rolling incentive scheme	-
43	Non-exempt EDB electricity lines service charge payable to Transpower	6,961
44	Transpower new investment contract charges	46
45	System operator services	-
46	Avoided transmission charge	-
47	Input Methodology claw-back	-
48	Recoverable customised price-quality path costs	-
49	Pass-through and recoverable costs	7,163

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sch ref

		(\$000)	
		CY-1	CY
		31 March 2012	31 March 2013
57	3(iii): Incremental Rolling Incentive Scheme		
58			
59			
60	Allowed controllable opex		
61	Actual controllable opex		
62			
63	Incremental change in year		
64			
			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	Net incremental rolling incentive scheme		-
72			
73	Net recoverable costs allowed under incremental rolling incentive scheme		-
74	3(iv): Merger and Acquisition Expenditure		
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	3(v): Other Disclosures		
79	Self-insurance allowance		-

Company Name **Waipa Networks Limited**
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SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

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

sch ref

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

	RAB CY-4 (\$000)	RAB CY-3 (\$000)	RAB CY-2 (\$000)	RAB CY-1 (\$000)	RAB CY (\$000)
Total opening RAB value	80,931	81,668	85,852	88,086	88,086
less Total depreciation	2,946	3,011	3,127	3,220	3,220
plus Total revaluations	1,632	1,966	1,345	755	755
plus Assets commissioned	3,170	5,414	4,228	4,392	4,392
less Asset disposals	1,119	186	211	230	230
plus Lost and found assets adjustment	-	-	-	-	-
plus Adjustment resulting from asset allocation	-	-	-	-	0
Total closing RAB value	81,668	85,852	88,086	89,783	89,783

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB * (\$000)	RAB (\$000)
Total opening RAB value	93,594	88,086
less Total depreciation	3,455	3,220
plus Total revaluations	802	755
plus Assets commissioned (other than below)	4,398	4,392
Assets acquired from a regulated supplier	-	-
Assets acquired from a related party	-	-
Assets commissioned	4,398	4,392
less Asset disposals (other than below)	230	230
Asset disposals to a regulated supplier	-	-
Asset disposals to a related party	-	-
Asset disposals	230	230
plus Lost and found assets adjustment	-	-
plus Adjustment resulting from asset allocation	-	0
Total closing RAB value	95,109	89,783

* 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.

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

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

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

58	sch ref				
59		CPI _t			1,174
60		CPI _{t-4}			1,164
61		Revaluation rate (%)			0.86%
62					
63					
64					
65					
66		Total opening RAB value			
67		less Opening RAB value of fully depreciated, disposed and lost assets			
68					
69		Total opening RAB value subject to revaluation			
70		Total revaluations			
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					

4(iv): Roll Forward of Works Under Construction

73					
74					
75		Works under construction—preceding disclosure year			
76		plus Capital expenditure			
77		less Assets commissioned			
78		plus Adjustment resulting from asset allocation			
79		Works under construction - current disclosure year			
80		Highest rate of capitalised finance applied			

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

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

sch ref

4(v): Regulatory Depreciation

88	Depreciation - standard	3,011	3,011	
89	Depreciation - no standard life assets			
90	Depreciation - modified life assets	444	209	
91	Depreciation - alternative depreciation in accordance with CPP			
92	Total depreciation		3,455	3,720

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)

	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
107	Total opening RAB value	31,595	18,540	21,003	10,132	2,333	88,086
108	less Total depreciation	1,055	587	728	399	242	3,220
109	plus Total revaluations	271	159	178	87	38	755
110	plus Assets commissioned	382	379	2,100	1,207	311	4,392
111	less Asset disposals			230			230
112	plus Lost and found assets adjustment						
113	plus Adjustment resulting from asset allocation						
114	plus Asset category transfers						
115	Total closing RAB value	31,194	18,492	22,323	11,028	4,589	89,783
116	Asset Life						
117	Weighted average remaining asset life	27.5	16.4	18.5	17.0	17.3	31.6
118	Weighted average expected total asset life	59.9	45.1	44.1	37.3	40.4	40.0

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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref		(\$000)
7	5a(i): Regulatory Tax Allowance	
8	Regulatory profit / (loss) before tax	7,118
9		
10	plus Income not included in regulatory profit / (loss) before tax but taxable	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	*
12	Amortisation of initial differences in asset values	1,629
13	Amortisation of revaluations	180
14		1,809
15		
16	less Income included in regulatory profit / (loss) before tax but not taxable	*
17	Discretionary discounts and consumer rebates	2,502
18	Expenditure or loss deductible but not in regulatory profit / (loss) before tax**	*
19	Notional deductible interest	2,409
20		4,911
21		
22	Regulatory taxable income	4,017
23		
24	less Utilised tax losses	-
25	Regulatory net taxable income	4,017
26		
27	Corporate tax rate (%)	28%
28	Regulatory tax allowance	1,125
29		
30	* Workings to be provided in Schedule 14	
31	** Excluding discretionary discounts and consumer rebates	
32	5a(ii): Disclosure of Permanent Differences	
33	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).	
34	5a(iii): Amortisation of Initial Difference in Asset Values	(\$000)
35		
36	Opening unamortised initial differences in asset values	53,319
37	Amortisation of initial differences in asset values	1,629
38	Adjustment for unamortised initial differences in assets acquired	
39	Adjustment for unamortised initial differences in assets disposed	(216)
40	Closing unamortised initial differences in asset values	51,474
41		
42	Opening weighted average remaining asset life (years)	33
43	5a(iv): Amortisation of Revaluations	(\$000)
44		
45	Opening Sum of RAB values without revaluations	83,368
46		
47	Adjusted depreciation	3,040
48	Total depreciation	3,220
49	Amortisation of revaluations	180

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Waipa Networks Limited
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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref			
57	5a(v): Reconciliation of Tax Losses		(\$000)
58			
59	Opening tax losses	-	
60	plus Current period tax losses	-	
61	less Utilised tax losses	-	
62	Closing tax losses		-
63	5a(vi): Calculation of Deferred Tax Balance		(\$000)
64			
65	Opening deferred tax	(1,302)	
66			
67	plus Tax effect of adjusted depreciation	851	
68			
69	less Tax effect of total tax depreciation	764	
70			
71	plus Tax effect of other temporary differences*	8	
72			
73	less Tax effect of amortisation of initial differences in asset values	456	
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	60	
78			
79	plus Deferred tax cost allocation adjustment		
80			
81	Closing deferred tax		(1,724)
82			
83	5a(vii): Disclosure of Temporary Differences		
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	5a(viii): Regulatory Tax Asset Base Roll-Forward		(\$000)
87			
88	Opening sum of regulatory tax asset values	24,845	
89	less Tax depreciation	2,730	
90	plus Regulatory tax asset value of assets commissioned	4,369	
91	less Regulatory tax asset value of asset disposals	14	
92	plus Lost and found assets adjustment	-	
93	plus Other adjustments to the RAB tax value	-	
94	Closing sum of regulatory tax asset values		26,471

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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

7	Total regulatory income	-
8	Operational expenditure	2,380
9	Capital expenditure	5,053
10	Market value of asset disposals	
11	Other related party transactions	
12		

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

Name of related party
Waikato Tree Services
Waipa Networks - Contracting

Related party relationship

Trading Name of Waipa Networks Limited
Trading Division of Waipa Networks Limited

** include additional rows if needed*

5b(iii): Related Party Transactions

22	Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
23	Waikato Tree Services	Opex	Vegetation management	444	2.3.6(1)
24	Waipa Networks - Contracting	Opex	Service interruptions and emergencies	651	2.3.6(1)
25	Waipa Networks - Contracting	Opex	Routine and corrective maintenance	670	2.3.6(1)
26	Waipa Networks - Contracting	Opex	Asset replacement and renewal	365	2.3.6(1)
27	Waipa Networks - Contracting	Opex	System operations and network support	250	2.3.6(1)
28	Waipa Networks - Contracting	Capex	Electrical Contracting Services	5,053	2.3.6(1)
29					
30					
37					

** include additional rows if needed*

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

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

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

sch ref

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

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment

* include additional rows if needed

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

Gross term credit spread differential

Total book value of interest bearing debt
 Leverage

Average opening and closing RAB values
 Attribution Rate (%)

Term credit spread differential allowance

44%

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Waipa Networks Limited
For Year Ended
31 March 2013

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

5d(i): Operating Cost Allocations

	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
Service interruptions and emergencies					
Directly attributable	-	651	-	651	-
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		651			
Vegetation management					
Directly attributable	-	444	-	444	-
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		444			
Routine and corrective maintenance and inspection					
Directly attributable	-	670	-	670	-
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		670			
Asset replacement and renewal					
Directly attributable	-	365	-	365	-
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		365			
System operations and network support					
Directly attributable	-	889	152	1,041	221
Not directly attributable	-	69	-	69	-
Total attributable to regulated service		958			
Business support					
Directly attributable	-	1,370	-	1,370	-
Not directly attributable	-	295	184	479	-
Total attributable to regulated service		1,665			
Operating costs directly attributable		4,389			
Operating costs not directly attributable		364			700
Operating expenditure		4,753			

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SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

5d(ii): Other Cost Allocations

Pass through and recoverable costs

Pass through costs

Directly attributable	156
Not directly attributable	

Total attributable to regulated service

	156
--	-----

Recoverable costs

Directly attributable	7,007
Not directly attributable	

Total attributable to regulated service

	7,007
--	-------

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

(\$'000)

Change in cost allocation 1

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

	CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
Original allocation		
New allocation		
Difference		

Rationale for change

Change in cost allocation 2

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

	CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
Original allocation		
New allocation		
Difference		

Rationale for change

Change in cost allocation 3

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

	CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
Original allocation		
New allocation		
Difference		

Rationale for change

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

Company Name	Waipa Networks Limited
For Year Ended	31 March 2013

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

7 5e(i):Regulated Service Asset Values		Value allocated (\$000s)
		Electricity distribution services
8		
9		
10	Subtransmission lines	
11	Directly attributable	-
12	Not directly attributable	-
13	Total attributable to regulated service	-
14	Subtransmission cables	
15	Directly attributable	-
16	Not directly attributable	-
17	Total attributable to regulated service	-
18	Zone substations	
19	Directly attributable	-
20	Not directly attributable	-
21	Total attributable to regulated service	-
22	Distribution and LV lines	
23	Directly attributable	31,194
24	Not directly attributable	-
25	Total attributable to regulated service	31,194
26	Distribution and LV cables	
27	Directly attributable	18,492
28	Not directly attributable	-
29	Total attributable to regulated service	18,492
30	Distribution substations and transformers	
31	Directly attributable	22,323
32	Not directly attributable	-
33	Total attributable to regulated service	22,323
34	Distribution switchgear	
35	Directly attributable	11,028
36	Not directly attributable	-
37	Total attributable to regulated service	11,028
38	Other network assets	
39	Directly attributable	4,589
40	Not directly attributable	-
41	Total attributable to regulated service	4,589
42	Non-network assets	
43	Directly attributable	482
44	Not directly attributable	1,675
45	Total attributable to regulated service	2,157
46		
47	Regulated service asset value directly attributable	88,108
48	Regulated service asset value not directly attributable	1,675
49	Total closing RAB value	89,783

57 5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
		31 Mar 12	31 Mar 13
60	Change in asset value allocation 1		
61	Asset category		
62	Original allocator or line items		
63	New allocator or line items		
64			
65	Rationale for change		
66			
67			
68	Change in asset value allocation 2		
69	Asset category		
70	Original allocator or line items		
71	New allocator or line items		
72			
73	Rationale for change		
74			
75			
76			
77	Change in asset value allocation 3		
78	Asset category		
79	Original allocator or line items		
80	New allocator or line items		
81			
82	Rationale for change		
83			
84			
85			

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

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

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 Regulatory Asset Base Value**5h(i): Establishment of Initial Regulatory Asset Base Value**

	Unallocated Initial RAB (\$000)	Unallocated Initial RAB (\$000)
2009 disclosed assets - 'Total Regulatory Asset Base Value (Excluding FDC)' as of 31 March 2009		77,703
2009 modified asset values (adjusted for results of asset adjustment process)		79,024
Adjustment to reinstate 2009 modified asset values to unallocated amounts	1,074	
Unallocated 2009 modified asset values		80,098
<i>less (to the extent included in row 13)</i>		
Assets not used to supply electricity distribution services	-	
Easement land	-	
Non-qualifying intangible assets	-	
Works under construction	-	
Unallocated asset values excluded from unallocated 2009 modified asset values		-
<i>plus</i> FDC allowance of 2.45% (Network assets)		1,907
Unallocated initial RAB values		82,005

5h(ii): Roll forward of Unallocated Regulatory Asset Base Value - 2010, 2011 and 2012

	2010 (\$000)		2011 (\$000)		2012 (\$000)	
Total opening RAB value		82,005		82,912		91,428
<i>less</i>						
Total depreciation		2,946		3,011		3,351
<i>plus</i>						
Total revaluations		1,641		1,996		1,432
<i>plus</i>						
Assets commissioned (other than below)	3,960		9,716		4,296	
Assets acquired from a regulated supplier	-		-		-	
Assets acquired from a related party	-		-		-	
Assets commissioned		3,960		9,716		4,296
<i>less</i>						
Asset disposals (other than below)	1,748		186		211	
Assets disposed of to a regulated supplier	-		-		-	
Assets disposed of to a related party	-		-		-	
Asset disposals		1,748		186		211
<i>plus</i> Lost and found assets adjustment		-		-		-
Total closing RAB value		82,912		91,428		93,593

5h(iii): Calculation of Revaluation Rate and Indexed Revaluation

(\$000 unless otherwise specified)

	2010	2011	2012
CPI at CPI reference date—preceding disclosure year	1,097	1,119	1,146
CPI at CPI reference date—current disclosure year	1,119	1,146	1,164
Revaluation rate (%)	2.05%	2.42%	1.57%
Total opening RAB value	82,005	82,912	91,428
<i>less</i> Opening RAB value of fully depreciated, disposed and lost assets	1,826	363	250
Total opening RAB value subject to revaluation	80,179	82,548	91,178
Total revaluations	1,641	1,996	1,432

5h(iv): Works Under Construction

	Unallocated works under construction	Allocated works under construction
Works under construction—year ended 2009	-	-
<i>plus</i> Capital expenditure—year ended 2010	4,100	3,311
<i>less</i> Assets commissioned—year ended 2010	3,959	3,170
<i>plus</i> Adjustment resulting from asset allocation—year ended 2010		
Works under construction—year ended 2010	141	141
<i>plus</i> Capital expenditure—year ended 2011	9,661	5,359
<i>less</i> Assets commissioned—year ended 2011	9,716	5,414
<i>plus</i> Adjustment resulting from asset allocation—year ended 2011		
Works under construction—year ended 2011	86	86
<i>plus</i> Capital expenditure—year ended 2012	4,405	4,337
<i>less</i> Assets commissioned—year ended 2012	4,296	4,228
<i>plus</i> Adjustment resulting from asset allocation—year ended 2012		
Works under construction—year ended 2012	195	195

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

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	5h(v): Initial Difference in Asset Values and Amortisation	2010		
90	Sum of initial RAB values	80,931		
91	Sum of regulatory tax asset values	21,678		
92	Sum of initial differences in asset values	59,253		
93				
94				
95	Opening unamortised initial differences in asset values	59,253	56,992	55,162
96	less Amortisation of initial difference in asset values	1,687	1,670	1,649
97	Adjustment for unamortised initial differences in assets acquired	-	-	-
98	Adjustment for unamortised initial differences in assets disposed	(574)	(160)	(194)
99	Closing unamortised initial differences in asset values	56,992	55,162	53,319
100				
101	Opening weighted average remaining asset life (years)	35	34	33
102				
103				
104				
105				
106				
107				
108				
109	5h(vi): Reconciliation of Tax Losses (EDB Business)	2010		
110	Opening tax losses	-		
111	plus Current period tax losses	-		
112	less Utilised tax losses	-		
113	Closing tax losses	-		
114				
115	5h(vii): Calculation of Deferred Tax Balance	2010		
116	Opening deferred tax	(477)		
117				
118	plus Tax effect of adjusted depreciation	883	883	838
119				
120	plus Tax effect of total tax depreciation	(696)	(736)	(739)
121				
122	plus Tax effect of other temporary differences *	14	(8)	2
123				
124	less Tax effect of amortisation of initial differences in asset values	506	501	462
125				
126	plus Net adjustment deferred tax balance relating to assets acquired less deferred tax balance relating to assets disposed in the disclosure year	(172)	(48)	(54)
127				
128	plus Deferred tax cost allocation adjustment	-		
129				
130	Closing deferred tax	(477)	(887)	(1,302)
131	5h(viii): Disclosure of Temporary Differences			
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	5h(ix): Regulatory Tax Asset Base Roll-Forward	(\$000)		
134	Sum of unallocated initial RAB values	82,005		
135	Sum of adjusted tax values	22,196		
136	Sum of tax asset values	22,196		
137	Result of asset allocation ratio	1		
138	Opening Sum of regulatory tax asset values	21,678	22,029	24,150
139	less Regulatory tax depreciation	2,319	2,454	2,639
140	plus Regulatory tax asset value of assets commissioned	3,198	4,578	3,334
141	less Regulatory tax asset value of asset disposals	528	3	-
142	plus Lost and found assets adjustment	-	-	-
143	plus Other adjustments to the RAB tax value	-	-	-
144	Closing sum of regulatory tax asset values	22,029	24,150	24,845

Company Name
Waipa Networks 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

Summary of Engineer's Valuation Adjustments (at time asset enters regulatory asset register)

	2004 *	2005	2006	2007	2008	2009
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
Asset adjustment process - adjustments						
Include load control relays						1,321
Correct asset register errors for 2004 ODV assets						
Correct asset register errors for 2005 – 2009 assets						
Re-apply an existing multiplier to 2004 ODV assets						
Re-apply a modified multiplier to 2004 ODV assets						
Re-apply optimisation or EV tests to 2004 ODV assets						
Total value of adjustments by disclosure year						1,321

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

Company Name **Waipa Networks 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

7	6a(i): Expenditure on Assets		
8	Consumer connection		2,002
9	System growth		29
10	Asset replacement and renewal		845
11	Asset relocations		36
12	Reliability, safety and environment:		
13	Quality of supply	2,156	
14	Legislative and regulatory	-	
15	Other reliability, safety and environment	944	
16	Total reliability, safety and environment		3,100
17	Expenditure on network assets		6,013
18	Non-network assets		13
19			
20	Expenditure on assets		6,026
21	plus Cost of financing		
22	less Value of capital contributions		623
23	plus Value of vested assets		
24			
25	Capital expenditure		5,403

26	6a(ii): Subcomponents of Expenditure on Assets (where known)		
27	Energy efficiency and demand side management, reduction of energy losses		-
28	Overhead to underground conversion		276
29	Research and development		-

30	6a(iii): Consumer Connection		
31	<i>Consumer types defined by EDB*</i>		
32	Residential	1,657	
33	Commercial	346	
34			
35			
36			
37	<i>* include additional rows if needed</i>		
38	Consumer connection expenditure		2,002
39			
40	less Capital contributions funding consumer connection expenditure	567	
41	Consumer connection less capital contributions		1,435

42	6a(iv): System Growth and Asset Replacement and Renewal		
43			
44			
45	Subtransmission	-	-
46	Zone substations	-	-
47	Distribution and LV lines	4	133
48	Distribution and LV cables	6	108
49	Distribution substations and transformers	-	129
50	Distribution switchgear	19	181
51	Other network assets	-	294
52	System growth and asset replacement and renewal expenditure	29	845
53	less Capital contributions funding system growth and asset replacement and renewal	22	-
54	System growth and asset replacement and renewal less capital contributions	7	845
55			

56	6a(v): Asset Relocations		
57	<i>Project or programme*</i>		
58			
59			
60			
61			
62			
63	<i>* include additional rows if needed</i>		
64	All other asset relocations projects or programmes	36	
65	Asset relocations expenditure		36
66	less Capital contributions funding asset relocations	5	
67	Asset relocations less capital contributions		31

Company Name **Waipa Networks 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

75	6a(vi): Quality of Supply		
76	<i>Project or programme*</i>	(\$000)	(\$000)
77	Install 11kV Dropout fuses spurs & services	260	
78	Replace Disconnectors	130	
79	Install remote control switches	503	
80	Install TMU-HTI 110kV line	960	
81	-	-	
82	<i>* include additional rows if needed</i>		
83	All other quality of supply projects or programmes	304	
84	Quality of supply expenditure		2,156
85	less Capital contributions funding quality of supply	26	
86	Quality of supply less capital contributions		2,130
87	6a(vii): Legislative and Regulatory		
88	<i>Project or programme*</i>	(\$000)	(\$000)
89			
90			
91			
92			
93			
94	<i>* include additional rows if needed</i>		
95	All other legislative and regulatory projects or programmes	-	
96	Legislative and regulatory expenditure		-
97	less Capital contributions funding legislative and regulatory	-	
98	Legislative and regulatory less capital contributions		-
99	6a(viii): Other Reliability, Safety and Environment		
100	<i>Project or programme*</i>	(\$000)	(\$000)
101	Replace two pole sub structures	714	
102	Replace Ring Main Units	146	
103	-	-	
104	-	-	
105	-	-	
106	<i>* include additional rows if needed</i>		
107	All other reliability, safety and environment projects or programmes	84	
108	Other reliability, safety and environment expenditure		944
109	less Capital contributions funding other reliability, safety and environment	3	
110	Other reliability, safety and environment less capital contributions		941
111			
112	6a(ix): Non-Network Assets		
113	Routine expenditure		
114	<i>Project or programme*</i>	(\$000)	(\$000)
115		-	
116		-	
117		-	
118		-	
119		-	
120	<i>* include additional rows if needed</i>		
121	All other routine expenditure projects or programmes	13	
122	Routine expenditure		13
123	Atypical expenditure		
124	<i>Project or programme*</i>	(\$000)	(\$000)
125		-	
126		-	
127		-	
128		-	
129		-	
130	<i>* include additional rows if needed</i>		
131	All other atypical expenditure projects or programmes	-	
132	Atypical expenditure		-
133			
134	Non-network assets expenditure		13

Company Name
For Year Ended

Waipa Networks Limited
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

6b(i): Operational Expenditure

- 7
- 8 Service interruptions and emergencies
- 9 Vegetation management
- 10 Routine and corrective maintenance and inspection
- 11 Asset replacement and renewal
- 12 **Network opex**
- 13 System operations and network support
- 14 Business support
- 15 **Non-network opex**
- 16
- 17

	(\$'000)	(\$'000)
	651	
	444	
	670	
	365	
		2,130
	958	
	1,665	
		2,623
		4,753

Operational expenditure

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

- 18
- 19 Energy efficiency and demand side management, reduction of energy losses
- 20 Direct billing*
- 21 Research and development
- 22 Insurance
- 23

	N/A
	N/A

* Direct billing expenditure by suppliers that directly bill the majority of their consumers

Company Name

Waipa Networks Limited

For Year Ended

31 March 2013

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

	Target (\$000) ¹	Actual (\$000)	% variance
7(i): Revenue			
Line charge revenue	21,681	21,626	(0%)
7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
Consumer connection	1,902	2,002	5%
System growth	585	29	(95%)
Asset replacement and renewal	950	845	(11%)
Asset relocations	688	36	(95%)
Reliability, safety and environment:			
Quality of supply	-	2,156	-
Legislative and regulatory	-	-	-
Other reliability, safety and environment	3,868	944	(76%)
Total reliability, safety and environment	3,868	3,100	(20%)
Expenditure on network assets	7,993	6,013	(25%)
Non-network capex		13	-
Expenditure on assets	7,993	6,026	(25%)
7(iii): Operational Expenditure			
Service interruptions and emergencies	591	651	10%
Vegetation management	501	444	(11%)
Routine and corrective maintenance and inspection	824	670	(19%)
Asset replacement and renewal	217	365	68%
Network opex	2,133	2,130	(0%)
System operations and network support		958	-
Business support		1,665	-
Non-network opex	-	2,623	-
Operational expenditure	2,133	4,753	123%
7(iv): Subcomponents of Expenditure on Assets (where known)			
Energy efficiency and demand side management, reduction of energy losses		-	-
Overhead to underground conversion	513	276	(46%)
Research and development	N/A	-	-
7(v): Subcomponents of Operational Expenditure (where known)			
Energy efficiency and demand side management, reduction of energy losses	-	-	-
Direct billing	N/A	N/A	-
Research and development	N/A	N/A	-
Insurance	-	-	-

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

Company Name
Waipa Networks Limited
For Year Ended
31 March 2013
Network / Sub-Network Name
Waipa Networks

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

Sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc)	Standard or non-standard consumer group (specify)	Average no. of ICPS in disclosure year	Energy delivered to ICPS in disclosure year (MWh)	Billed quantities by price component														
					Uncontrolled kwh	Controlled kwh	Controlled \$	Day kwh	Night kwh	Streetlights kwh	Fixed Daily Charge Days	Capacity charges kVA of capacity	Monthly Charge \$/month	Transformer \$/kVA					
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc)																			
45,512,946	75,942,203	23,404,128	709,690	261,761	240,516														
86,132,476	14,500,742	844,802	3,362,354	1,469,376	1,824,759														
19,734,703				177,217	64,211														
62,412,114				12,011,409	3,969,277														
45,512,946	182,809,383	37,904,870	1,554,492	15,762,741	5,743,390	1,824,759													
62,412,114																			
45,512,946	245,221,496	37,904,870	1,554,492	15,762,741	5,743,390	1,824,759													

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)	Line charge revenues by price component														
					Combined \$/kwh	Uncontrolled \$/kwh	Controlled \$/kwh	Controlled \$	Day \$/kwh	Night \$/kwh	Streetlights \$/kwh	Fixed Daily Charge \$/day	Capacity charger \$/kVA of demand	Monthly Charge \$/month	Transformer \$/kVA				
Total transmission line charge revenue (if available)																			
\$1,136	\$5,893	\$344	\$6	\$29	\$2														
\$6,594	\$213	\$8	\$8	\$371	\$13	\$132													
\$900				\$8	\$1	\$344													
\$1,119				\$941	\$40	\$279													
3,136	13,387	557	14	949	56	132	1,617	623	2	34									
\$3,136	\$13,387	\$557	\$14	\$949	\$56	\$132	\$1,617	\$623	\$2	\$34									

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

Check

Company Name	Waipa Networks Limited
For Year Ended	31 March 2013
Network / Sub-network Name	Waipa Networks

SCHEDULE 9a: ASSET REGISTER

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

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		1-4
9	All	Overhead Line	Concrete poles / steel structure	No.	20,141	20,210	69	4
10	All	Overhead Line	Wood poles	No.	1,885	1,803	(82)	4
11	All	Overhead Line	Other pole types	No.	-	-	-	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	-	N/A
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-	N/A
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	N/A
29	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	N/A
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	N/A
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	N/A
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	-	-	N/A
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,226	1,225	(1)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
37	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	104	105	0	4
39	HV	Distribution Cable	Distribution UG PILC	km	1	1	-	4
40	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	79	90	11	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	N/A
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	4,987	4,945	(42)	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	N/A
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	70	68	(2)	4
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,735	2,713	(22)	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	573	605	32	4
48	HV	Distribution Transformer	Voltage regulators	No.	48	46	(2)	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
50	LV	LV Line	LV OH Conductor	km	500	499	(0)	4
51	LV	LV Cable	LV UG Cable	km	236	241	5	4
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	126	127	0	4
53	LV	Connections	OH/UG consumer service connections	No.	23,683	23,969	286	4
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	-	-	-	N/A
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
56	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	N/A
57	All	Load Control	Centralised plant	Lot	3	3	-	4
58	All	Load Control	Relays	No.	17,302	17,560	258	3
59	All	Civils	Cable Tunnels	km	-	-	-	N/A

<i>Company Name</i>	Waipa Networks Limited
<i>For Year Ended</i>	31 March 2013
<i>Network / Sub-network Name</i>	Waipa Networks Limited

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	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)
9				
10	> 66kV	-	-	-
11	50kV & 66kV	-	-	-
12	33kV	-	-	-
13	SWER (all SWER voltages)	-	-	-
14	22kV (other than SWER)	-	-	-
15	6.6kV to 11kV (inclusive—other than SWER)	1,225	111	1,336
16	Low voltage (< 1kV)	499	241	740
17	Total circuit length (for supply)	1,725	352	2,076
18				
19				
20	Dedicated street lighting circuit length (km)	68	59	127
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			
22				

sch ref	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)
23			
24	Urban	215	12%
25	Rural	1,430	83%
26	Remote only	-	-
27	Rugged only	80	5%
28	Remote and rugged	-	-
29	Unallocated overhead lines	-	-
30	Total overhead length	1,725	100%
31			

sch ref	Length of circuit within 10km of coastline or geothermal areas (where known)	Circuit length (km)	(% of total length)
32			
33		160	8%
34			
35	Overhead circuit requiring vegetation management	1,225	71%

Company Name	Waipa Networks 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			
26			

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

Company Name

Waipa Networks Limited

For Year Ended

31 March 2013

Network / Sub-network Name

Waipa Networks Limited

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

8	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*		Number of connections (ICPs)
11	Domestic		309
12	Non Domestic		64
13	Unmetered		3
14	11kV		-
15			
16	* include additional rows if needed		
17	Connections total		376
18			
19	Distributed generation		
20	Number of connections made in year	7	connections
21	Capacity of distributed generation installed in year	-	MVA
22	9e(ii): System Demand		
23			
24			
25	Maximum coincident system demand		Demand at time of maximum coincident demand (MW)
26	GXP demand	68	
27	plus Distributed generation output at HV and above	-	
28	Maximum coincident system demand	68	
29	less Net transfers to (from) other EDBs at HV and above	0	
30	Demand on system for supply to consumers' connection points	68	
31	Electricity volumes carried		Energy (GWh) Energy (GWh)
32	Electricity supplied from GXPs	376	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	1	
35	less Net electricity supplied to (from) other EDBs	1	
36	Electricity entering system for supply to consumers' connection points	376	
37	less Total energy delivered to ICPs	353	
38	Electricity losses (loss ratio)	23	6.0%
39			
40	Load factor	0.63	
41	9e(iii): Transformer Capacity		
42			(MVA)
43	Distribution transformer capacity (EDB owned)	218	
44	Distribution transformer capacity (Non-EDB owned)	49	
45	Total distribution transformer capacity	266	
46			
47	Zone substation transformer capacity	N/A	

Company Name	Waipa Networks Limited
For Year Ended	31 March 2013
Network / Sub-network Name	Waipa Networks Limited

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8 **10(i): Interruptions**

9 **Interruptions by class**

Number of interruptions	
Class A (planned interruptions by Transpower)	1
Class B (planned interruptions on the network)	91
Class C (unplanned interruptions on the network)	90
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)	8
Total	190

21 **Interruption restoration**

	≤3Hrs	>3hrs
Class C interruptions restored within	58	32

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
Class A (planned interruptions by Transpower)	0.54	223.0
Class B (planned interruptions on the network)	0.16	52.1
Class C (unplanned interruptions on the network)	1.34	100.0
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)	0.01	2.4
Total	2.06	377.4

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
Classes B & C (interruptions on the network)	1.50	152.1

39 **Quality path normalised reliability limit**

	SAIFI reliability limit	SAIDI reliability limit
SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A

* not applicable to exempt EDBs

42 **10(ii): Class C Interruptions and Duration by Cause**

44 **Cause**

	SAIFI	SAIDI
Lightning	0.01	0.4
Vegetation	0.42	35.5
Adverse weather	0.11	2.5
Adverse environment	-	-
Third party interference	0.21	35.6
Wildlife	0.25	10.3
Human error	0.01	0.2
Defective equipment	0.17	10.3
Cause unknown	0.17	5.3

62 **10(iii): Class B Interruptions and Duration by Main Equipment Involved**

64 **Main equipment involved**

	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.11	39.6
Distribution cables (excluding LV)	0.01	3.9
Distribution other (excluding LV)	0.04	8.6

71 **10(iv): Class C Interruptions and Duration by Main Equipment Involved**

73 **Main equipment involved**

	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	1.32	99.1
Distribution cables (excluding LV)	-	-
Distribution other (excluding LV)	0.02	0.9

80 **10(v): Fault Rate**

81 **Main equipment involved**

	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	-	-	-
Subtransmission cables	-	-	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	85	1,225	6.94
Distribution cables (excluding LV)	-	111	-
Distribution other (excluding LV)	5	-	-
Total	90		