



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

Company Name	Waipa Networks Limited
Disclosure Date	
Disclosure Year (year ended)	31 March 2023

Templates for Schedules 1–10 excluding 5f–5g  
Template Version 5.1. Prepared 24 November 2022

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### Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Electricity Distribution Information Disclosure Determination 2012.

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

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

The cell C12 entry (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).

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

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

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

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

In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell.

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

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

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

Schedule 2 cells G79 and I79:L79 will change colour if the total cashflows do not equal the corresponding values in table 2(ii).

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

Schedule 9b columns AA to AE (2013 to 2017) contain conditional formatting. The data entry cells for future years are hidden (are changed from white to yellow).

Schedule 9b cells AG10 to AG60 will change colour if the total assets at year end for each asset class does not equal the corresponding values in column I in Schedule 9a.

Schedule 9c cell G30 will change colour if G30 (overhead circuit length by terrain) does not equal G18 (overhead circuit length by operating voltage).

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

The templates for schedules 4, 5b, 5c, 5d, 5e, 6a, 8, 9d, and 9e may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar. Column A schedule references should not be entered in additional rows, and should be deleted from additional rows that are created by copying and pasting rows that have schedule references.

Additional rows in schedules 5c, 6a, and 9e must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.

Schedules 5d and 5e may require new cost or asset category rows to be inserted in allocation change tables 5d(iii) and 5e(ii). Accordingly, cell protection has been removed from rows 77 and 78 of the respective templates to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) are: Select Excel rows 69:77, copy, select Excel row 78, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:78, copy, select Excel row 79, then insert copied cells.

The template for schedule 8 may require additional columns to be inserted between column P and U. To avoid interfering with the title block entries, these should be inserted to the left of column S. If inserting additional columns, the formulas for standard consumers total, non-standard consumers totals and total for all consumers will need to be copied into the cells of the added columns. The formulas can be found in the equivalent cells of the existing columns.

***Disclosures by Sub-Network***

If the supplier has sub-networks, schedules 8, 9a, 9b, 9c, 9e, and 10 must be completed for the network and for each sub-network. A copy of the schedule worksheet(s) must be made for each sub-network and named accordingly.

***Schedule References***

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 21 December 2017). They provide a common reference between the rows in the determination and the template.

***Description of Calculation References***

Calculation cell formulas contain links to other cells within the same template or elsewhere in the workbook. Key cell references are described in a column to the right of each template. These descriptions are provided to assist data entry. Cell references refer to the row of the template and not the schedule reference.

***Worksheet Completion Sequence***

Calculation cells may show an incorrect value until precedent cell entries have been completed. Data entry may be assisted by completing the schedules in the following order:

1. Coversheet
2. Schedules 5a–5e
3. Schedules 6a–6b
4. Schedule 8
5. Schedule 3
6. Schedule 4
7. Schedule 2
8. Schedule 7
9. Schedules 9a–9e
10. Schedule 10

***Changes Since Previous Version***

Refer to the Targeted Information Disclosure Review - Electricity Distribution Businesses Final reasons paper - Tranche 1, for the details of changes made. A summary is provided in Chapter 2.

Company Name **Waipa Networks Limited**  
For Year Ended **31 March 2023**

**SCHEDULE 1: ANALYTICAL RATIOS**

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

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.1

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	32,218	464	158,675	5,874	45,673
Network	12,738	184	62,733	2,322	18,057
Non-network	19,480	281	95,942	3,551	27,616
Expenditure on assets	45,955	662	226,330	8,378	65,147
Network	32,674	471	160,921	5,957	46,320
Non-network	13,281	191	65,409	2,421	18,827

**1(ii): Revenue metrics**

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	73,218	1,055
Standard consumer line charge revenue	82,701	983
Non-standard consumer line charge revenue	28,558	699,783

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

Demand density	37	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	182	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	13	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	14,409	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

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

	(\$000)	% of revenue
Operational expenditure	13,522	44.19%
Pass-through and recoverable costs excluding financial incentives and wash-ups	8,903	29.10%
Total depreciation	6,151	20.10%
Total revaluations	9,671	31.60%
Regulatory tax allowance	1,722	5.63%
Regulatory profit/(loss) including financial incentives and wash-ups	9,972	32.59%
<b>Total regulatory income</b>	<b>30,599</b>	

**1(v): Reliability**

Interruption rate	16.33	Interruptions per 100 circuit km
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Company Name **Waipa Networks Limited**  
 For Year Ended **31 March 2023**

**SCHEDULE 2: REPORT ON RETURN ON INVESTMENT**

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

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

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

sch ref

2(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 21	31 Mar 22	31 Mar 23
		%	%	%
7	<b>2(i): Return on Investment</b>			
8				
9	<b>ROI – comparable to a post tax WACC</b>			
10	Reflecting all revenue earned	3.14%	8.92%	6.39%
11	Excluding revenue earned from financial incentives	3.14%	8.92%	6.39%
12	Excluding revenue earned from financial incentives and wash-ups	3.14%	8.92%	6.39%
13				
14	<b>Mid-point estimate of post tax WACC</b>	3.72%	3.52%	4.88%
15	25th percentile estimate	3.04%	2.84%	4.20%
16	75th percentile estimate	4.40%	4.20%	5.56%
17				
18				
19	<b>ROI – comparable to a vanilla WACC</b>			
20	Reflecting all revenue earned	3.47%	9.22%	6.90%
21	Excluding revenue earned from financial incentives	3.47%	9.22%	6.90%
22	Excluding revenue earned from financial incentives and wash-ups	3.47%	9.22%	6.90%
23				
24	<b>WACC rate used to set regulatory price path</b>			
25				
26	<b>Mid-point estimate of vanilla WACC</b>	4.05%	3.82%	5.39%
27	25th percentile estimate	3.37%	3.14%	4.71%
28	75th percentile estimate	4.73%	4.50%	6.07%
29				
30	<b>2(ii): Information Supporting the ROI</b>			
31				
32	Total opening RAB value	145,410		
33	plus Opening deferred tax	(6,907)		
34	<b>Opening RIV</b>		138,502	
35				
36	<b>Line charge revenue</b>		30,730	
37				
38	Expenses cash outflow	22,425		
39	add Assets commissioned	13,442		
40	less Asset disposals	130		
41	add Tax payments	1,148		
42	less Other regulated income	(130)		
43	<b>Mid-year net cash outflows</b>		37,016	
44				
45	<b>Term credit spread differential allowance</b>		–	
46				
47	Total closing RAB value	162,242		
48	less Adjustment resulting from asset allocation	0		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(7,482)		
51	<b>Closing RIV</b>		154,760	
52				
53	<b>ROI – comparable to a vanilla WACC</b>			6.90%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			4.38%
57	Corporate tax rate (%)			28%
58				
59	<b>ROI – comparable to a post tax WACC</b>			6.39%
60				



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

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

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**

61								
62								
63	Opening RIV							N/A
64								
65								
66		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows	
67	April							-
68	May							-
69	June							-
70	July							-
71	August							-
72	September							-
73	October							-
74	November							-
75	December							-
76	January							-
77	February							-
78	March							-
79	Total							-
80								
81	Tax payments							N/A
82								
83	Term credit spread differential allowance							N/A
84								
85	Closing RIV							N/A
86								
87								
88	Monthly ROI – comparable to a vanilla WACC							N/A
89								
90	Monthly ROI – comparable to a post tax WACC							N/A
91								

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

92			
93			
94	Year-end ROI – comparable to a vanilla WACC		6.87%
95			
96	Year-end ROI – comparable to a post tax WACC		6.35%
97			

\* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.

**2(v): Financial Incentives and Wash-Ups**

100			
101			
102	Net recoverable costs allowed under incremental rolling incentive scheme		-
103	Purchased assets – avoided transmission charge		
104	Energy efficiency and demand incentive allowance		
105	Quality incentive adjustment		
106	Other financial incentives		
107	Financial incentives		-
108			
109	Impact of financial incentives on ROI		-
110			
111	Input methodology claw-back		
112	CPP application recoverable costs		
113	Catastrophic event allowance		
114	Capex wash-up adjustment		
115	Transmission asset wash-up adjustment		
116	2013–15 NPV wash-up allowance		
117	Reconsideration event allowance		
118	Other wash-ups		
119	Wash-up costs		-
120			
121	Impact of wash-up costs on ROI		-



Company Name **Waipa Networks Limited**  
For Year Ended **31 March 2023**

**SCHEDULE 3: REPORT ON REGULATORY PROFIT**

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

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

sch ref

3(i): Regulatory Profit		(\$000)
7	<b>3(i): Regulatory Profit</b>	
8	Income	
9	Line charge revenue	30,730
10	plus Gains / (losses) on asset disposals	(130)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	-
12		
13	<b>Total regulatory income</b>	<b>30,599</b>
14	Expenses	
15	less Operational expenditure	13,522
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	8,903
18		
19	<b>Operating surplus / (deficit)</b>	<b>8,174</b>
20		
21	less Total depreciation	6,151
22		
23	plus Total revaluations	9,671
24		
25	<b>Regulatory profit / (loss) before tax</b>	<b>11,694</b>
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	1,722
30		
31	<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>	<b>9,972</b>
32		
33	<b>3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups</b>	<b>(\$000)</b>
34	Pass through costs	
35	Rates	109
36	Commerce Act levies	51
37	Industry levies	81
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	8,079
41	Transpower new investment contract charges	584
42	System operator services	
43	Distributed generation allowance	
44	Extended reserves allowance	
45	Other recoverable costs excluding financial incentives and wash-ups	
46	<b>Pass-through and recoverable costs excluding financial incentives and wash-ups</b>	<b>8,903</b>
47		



Company Name **Waipa Networks Limited**  
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**SCHEDULE 3: REPORT ON REGULATORY PROFIT**

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

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

sch ref

		(\$000)	
		CY-1	CY
		31 Mar 22	31 Mar 23
48	<b>3(iii): Incremental Rolling Incentive Scheme</b>		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56			
57	CY-5 31 Mar 18		
58	CY-4 31 Mar 19		
59	CY-3 31 Mar 20		
60	CY-2 31 Mar 21		
61	CY-1 31 Mar 22		
62	Net incremental rolling incentive scheme		—
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		—
65	<b>3(iv): Merger and Acquisition Expenditure</b>		(\$000)
66	Merger and acquisition expenditure		
67			
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>		
69	<b>3(v): Other Disclosures</b>		(\$000)
70			
71	Self-insurance allowance		



Company Name  
**Waipa Networks Limited**  
 For Year Ended  
**31 March 2023**

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

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. ED&S 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 14 of the ID determination, and so is subject to the assurance report required by section 2.8.

for year ended	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)	RAB 31 Mar 21 (\$000)	RAB 31 Mar 22 (\$000)	RAB 31 Mar 23 (\$000)
<b>4(i): Regulatory Asset Base Value (Rolled Forward)</b>					
Total opening RAB value	133,568	134,175	123,476	126,979	145,410
less Total depreciation	4,017	4,135	4,587	4,581	6,151
plus Total revaluations	1,601	2,888	1,870	8,797	9,671
plus Assets commissioned	3,238	10,620	5,880	14,301	13,442
less Asset disposals	284	143	131	87	130
plus Lost and found assets adjustment	-	-	471	-	-
plus Adjustment resulting from asset allocation	-	71	1	0	0
Total closing RAB value	134,175	133,476	126,979	145,410	162,242
<b>4(ii): Unallocated Regulatory Asset Base</b>					
Total opening RAB value		Unallocated RAB * (\$000)	Unallocated RAB * (\$000)	Unallocated RAB * (\$000)	Unallocated RAB * (\$000)
less Total depreciation		146,353	146,353	145,410	145,410
plus Total revaluations		6,312	6,312	6,151	6,151
plus Assets commissioned (other than below)	4,965	9,869	9,869	9,671	9,671
less Assets acquired from a regulated supplier	-	-	-	-	-
less Assets acquired from a related party	7,881	7,881	7,881	7,881	7,881
less Asset disposals (other than below)	130	12,846	12,846	13,442	13,442
plus Asset disposals to a regulated supplier	130	130	130	130	130
plus Asset disposals to a related party	-	-	-	-	-
plus Lost and found assets adjustment	-	-	-	-	-
plus Adjustment resulting from asset allocation	-	-	-	-	-
Total closing RAB value		154,667	154,667	162,242	162,242

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







Company Name **Waipa Networks Limited**  
 For Year Ended **31 March 2023**

**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

7 <b>5a(i): Regulatory Tax Allowance</b>		(\$000)	
8	Regulatory profit / (loss) before tax		11,694
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	2,882	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible		*
12	Amortisation of initial differences in asset values	1,601	
13	Amortisation of revaluations	2,107	
14			6,590
16	<i>less</i> Total revaluations	9,671	
17	Income included in regulatory profit / (loss) before tax but not taxable		*
18	Discretionary discounts and customer rebates	(32)	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*
20	Notional deductible interest	2,494	
21			12,133
23	<b>Regulatory taxable income</b>		<b>6,152</b>
25	<i>less</i> Utilised tax losses		
26	Regulatory net taxable income		6,152
28	Corporate tax rate (%)	28%	
29	<b>Regulatory tax allowance</b>		<b>1,722</b>

\* Workings to be provided in Schedule 14

**5a(ii): Disclosure of Permanent Differences**

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

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

(\$000)

36	Opening unamortised initial differences in asset values	36,816	
37	<i>less</i> Amortisation of initial differences in asset values	1,601	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed		
40	Closing unamortised initial differences in asset values		35,215
42	Opening weighted average remaining useful life of relevant assets (years)		23





Company Name **Waipa Networks Limited**  
 For Year Ended **31 March 2023**

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

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

sch ref

	(\$000)	(\$000)
<b>5b(i): Summary—Related Party Transactions</b>		
Total regulatory income		–
Market value of asset disposals		–
Service interruptions and emergencies	2,411	
Vegetation management	1,541	
Routine and corrective maintenance and inspection	583	
Asset replacement and renewal (opex)	801	
<b>Network opex</b>		<b>5,336</b>
Business support	–	
System operations and network support	524	
<b>Operational expenditure</b>		<b>5,860</b>
Consumer connection	3,158	
System growth	1,958	
Asset replacement and renewal (capex)	1,638	
Asset relocations	45	
Quality of supply	95	
Legislative and regulatory	–	
Other reliability, safety and environment	987	
<b>Expenditure on non-network assets</b>		<b>–</b>
<b>Expenditure on assets</b>		<b>7,881</b>
Cost of financing		
Value of capital contributions		
Value of vested assets		
<b>Capital Expenditure</b>		<b>7,881</b>
<b>Total expenditure</b>		<b>13,741</b>
Other related party transactions		

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

Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
Waikato Tree Services	Vegetation management	1,541
Waipa Networks - Contracting	Service interruptions and emergencies	2,411
Waipa Networks - Contracting	Routine and corrective maintenance and inspection	583
Waipa Networks - Contracting	Asset replacement and renewal (opex)	801
Waipa Networks - Contracting	System operations and network support	524
Waipa Networks - Contracting	Consumer connection	3,158
Waipa Networks - Contracting	System growth	1,958
Waipa Networks - Contracting	Asset replacement and renewal (capex)	1,638
Waipa Networks - Contracting	Asset relocations	45
Waipa Networks - Contracting	Quality of supply	95
Waipa Networks - Contracting	Legislative and regulatory	–
Waipa Networks - Contracting	Other reliability, safety and environment	987
<b>Total value of related party transactions</b>		<b>13,741</b>

\* include additional rows if needed







Company Name  
**Waipia Networks Limited**  
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**31 March 2023**

**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 2.3.

sch ref	5d(i): Operating Cost Allocations	Arm's length deduction	Value allocated (\$000s) Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7						
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		2,411			
12	Not directly attributable					
13	Total attributable to regulated service		2,411			
14	Vegetation management					
15	Directly attributable		1,541			
16	Not directly attributable					
17	Total attributable to regulated service		1,541			
18						
19	Routine and corrective maintenance and inspection					
20	Directly attributable		593			
21	Not directly attributable					
22	Total attributable to regulated service		593			
23	Asset replacement and renewal					
24	Directly attributable		801			
25	Not directly attributable					
26	Total attributable to regulated service		801			
27						
28	System operations and network support					
29	Directly attributable		3,675			
30	Not directly attributable		165	501	666	
31	Total attributable to regulated service		3,840			
32	Business support					
33	Directly attributable		417			
34	Not directly attributable		3,919	587	4,506	
35	Total attributable to regulated service		4,336			
36	Operating costs directly attributable		9,438			
37	Operating costs not directly attributable		4,084	1,088	5,172	
38	Operational expenditure		13,522			



Company Name  
**Waipa Networks Limited**  
 For Year Ended  
**31 March 2023**

**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 2.6.

sch ref

39	<b>5d(ii): Other Cost Allocations</b>			
40	Pass through and recoverable costs			
41	Pass through costs			
42	Directly attributable	240		
43	Not directly attributable	240		
44	Total attributable to regulated service			
45	Recoverable costs			
46	Directly attributable	8,663		
47	Not directly attributable	8,663		
48	Total attributable to regulated service			
49				
50	<b>5d(iii): Changes in Cost Allocations* †</b>			
51	Change in cost allocation 1			
52	Cost category			
53	Original allocator or line items			
54	New allocator or line items			
55				
56				
57	Rationale for change			
58				
59				
60				
61	Change in cost allocation 2			
62	Cost category			
63	Original allocator or line items			
64	New allocator or line items			
65				
66	Rationale for change			
67				
68				
69				
70	Change in cost allocation 3			
71	Cost category			
72	Original allocator or line items			
73	New allocator or line items			
74				
75	Rationale for change			
76				
77				

\* 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 2023

**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			Value allocated (\$000s) Electricity distribution services
7	<b>5e(i): Regulated Service Asset Values</b>		
8			
9			
10	<b>Subtransmission lines</b>		
11	Directly attributable		21,043
12	Not directly attributable		
13	<b>Total attributable to regulated service</b>		21,043
14	<b>Subtransmission cables</b>		
15	Directly attributable		
16	Not directly attributable		
17	<b>Total attributable to regulated service</b>		-
18	<b>Zone substations</b>		
19	Directly attributable		
20	Not directly attributable		
21	<b>Total attributable to regulated service</b>		-
22	<b>Distribution and LV lines</b>		
23	Directly attributable		32,609
24	Not directly attributable		
25	<b>Total attributable to regulated service</b>		32,609
26	<b>Distribution and LV cables</b>		
27	Directly attributable		26,507
28	Not directly attributable		
29	<b>Total attributable to regulated service</b>		26,507
30	<b>Distribution substations and transformers</b>		
31	Directly attributable		36,882
32	Not directly attributable		
33	<b>Total attributable to regulated service</b>		36,882
34	<b>Distribution switchgear</b>		
35	Directly attributable		21,620
36	Not directly attributable		
37	<b>Total attributable to regulated service</b>		21,620
38	<b>Other network assets</b>		
39	Directly attributable		7,686
40	Not directly attributable		
41	<b>Total attributable to regulated service</b>		7,686
42	<b>Non-network assets</b>		
43	Directly attributable		14,803
44	Not directly attributable		1,092
45	<b>Total attributable to regulated service</b>		15,895
46			
47	<b>Regulated service asset value directly attributable</b>		161,150
48	<b>Regulated service asset value not directly attributable</b>		1,092
49	<b>Total closing RAB value</b>		162,242
50			
51	<b>5e(ii): Changes in Asset Allocations* †</b>		
52			(\$000)
53	<b>Change in asset value allocation 1</b>		CY-1      Current Year (CY)
54	Asset category		
55	Original allocator or line items		
56	New allocator or line items		
57			
58	Rationale for change		
59			
60			
61			(\$000)
62	<b>Change in asset value allocation 2</b>		CY-1      Current Year (CY)
63	Asset category		
64	Original allocator or line items		
65	New allocator or line items		
66			
67	Rationale for change		
68			
69			
70			(\$000)
71	<b>Change in asset value allocation 3</b>		CY-1      Current Year (CY)
72	Asset category		
73	Original allocator or line items		
74	New allocator or line items		
75			
76	Rationale for change		
77			
78			
79	* 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.		
80	† include additional rows if needed		



**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.

Line item*	Allocation methodology type	Cost allocator	Allocator type	Allocator Metric (%)		Value allocated (\$'000)			OVABAA allocation increase (\$'000)
				Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									

**Service interruptions and emergencies**

All costs are directly attributed to relevant business

**Not directly attributable**

**Vegetation management**

All costs are directly attributed to relevant business

**Not directly attributable**

**Routine and corrective maintenance and inspection**

All costs are directly attributed to relevant business

**Not directly attributable**

**Asset replacement and renewal**

All costs are directly attributed to relevant business

**Not directly attributable**



Company Name **Waipa Networks Limited**  
 For Year Ended **31 March 2023**

**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		ABAA	Basis of relevant personnel time spent on EDB services	Proxy	0.2477	0.7523	0	165	501	666	
36	<b>System operations and network support</b>										
37	Customer Services	ABAA		Proxy							
38											
39											
40											
41	Not directly attributable							165	501	666	
42	<b>Business support</b>										
43	Human Resources	ABAA	Basis of relevant personnel time spent on EDB services	Proxy	0.92	0.08	0	793	69	862	
44	Property	ABAA	Area of premises occupied by business support for EDB services	Proxy	0.63	0.37	0	158	116	314	
45	Corporate Information Technology	ABAA	Basis of relevant personnel time spent on EDB services	Proxy	0.86	0.14	0	739	119	858	
46	Corporate	ABAA	Basis of relevant personnel time spent on EDB services	Proxy	0.89	0.11	0	2189	283	2,472	
47	Not directly attributable							3,919	587	4,506	
48											
49	Operating costs not directly attributable							4,084	1,088	5,172	
50											
51	<b>Pass through and recoverable costs</b>										
52	Pass through costs										
53	All costs are directly attributed to relevant business										
54											
55											
56											
57	Not directly attributable										
58	Recoverable costs										
59	All costs are directly attributed to relevant business										
60											
61											
62											
63	Not directly attributable										
64	* include additional rows if needed										



Company Name **Waipa Networks Limited**  
 For Year Ended **31 March 2023**

**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	Line Item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%)			Value allocated (\$000)			OVABAA allocation increase (\$000)
					Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
7											
8											
9											
10											
11	Subtransmission lines										
12	All assets are directly attributed to relevant business										
13											
14											
15											
16	Not directly attributable										
17	Subtransmission cables										
18	N/A										
19											
20											
21											
22	Not directly attributable										
23	Zone substations										
24	N/A										
25											
26											
27											
28	Not directly attributable										
29	Distribution and LV lines										
30	All assets are directly attributed to relevant business										
31											
32											
33											
34	Not directly attributable										





Company Name **Waipa Networks Limited**  
For Year Ended **31 March 2023**

**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	<b>6a(i): Expenditure on Assets</b>		((\$000))		(\$000)
8	Consumer connection				8,141
9	System growth				2,281
10	Asset replacement and renewal				2,102
11	Asset relocations				492
12	Reliability, safety and environment:				
13	Quality of supply		446		
14	Legislative and regulatory		-		
15	Other reliability, safety and environment		252		
16	<b>Total reliability, safety and environment</b>				698
17	Expenditure on network assets				13,713
18	Expenditure on non-network assets				5,574
19					
20	Expenditure on assets				19,287
21	plus Cost of financing				-
22	less Value of capital contributions				5,437
23	plus Value of vested assets				-
24					
25	Capital expenditure				13,851
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				1,109
29	Research and development				-
30	Cybersecurity (Commission only)				-
30	<b>6a(iii): Consumer Connection</b>				
31	Consumer types defined by EDB*		(\$000)		(\$000)
32	Residential		7,059		
33	General		1,081		
34	11kV		-		
35			-		
36			-		
37	* include additional rows if needed				
38	Consumer connection expenditure				8,141
39					
40	less Capital contributions funding consumer connection expenditure		4,281		
41	Consumer connection less capital contributions				3,859
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>				
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56	<b>6a(v): Asset Relocations</b>				
57	Project or programme*		(\$000)		(\$000)
58					
59					
60					
61					
62					
63	* include additional rows if needed				
64	All other projects or programmes - asset relocations		492		
65	Asset relocations expenditure				492
66	less Capital contributions funding asset relocations		757		
67	Asset relocations less capital contributions				(265)



Company Name **Waipa Networks Limited**  
 For Year Ended **31 March 2023**

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

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

sch ref

68				
69	<b>6a(vi): Quality of Supply</b>			
70	Project or programme*	(\$000)		(\$000)
71	Install 11kV Dropout fuses spurs & services	27		
72	Disconnectors	-		
73	Install remote control switches	-		
74	Install TMU-HTI 110kV line	-		
75	St Kilda Feeder reconfiguration	-		
76	* include additional rows if needed			
77	All other projects programmes - quality of supply	419		
78	Quality of supply expenditure			446
79	less: Capital contributions funding quality of supply	5		
80	Quality of supply less capital contributions			441
81	<b>6a(vii): Legislative and Regulatory</b>			
82	Project or programme*	(\$000)		(\$000)
83				
84				
85				
86				
87				
88	* include additional rows if needed			
89	All other projects or programmes - legislative and regulatory			
90	Legislative and regulatory expenditure			-
91	less: Capital contributions funding legislative and regulatory			
92	Legislative and regulatory less capital contributions			-
93	<b>6a(viii): Other Reliability, Safety and Environment</b>			
94	Project or programme*	(\$000)		(\$000)
95	Replace two pole sub structure	14		
96				
97				
98				
99				
100	* include additional rows if needed			
101	All other projects or programmes - other reliability, safety and environment	238		
102	Other reliability, safety and environment expenditure			252
103	less: Capital contributions funding other reliability, safety and environment	-		
104	Other reliability, safety and environment less capital contributions			252
105				
106	<b>6a(ix): Non-Network Assets</b>			
107	<b>Routine expenditure</b>			
108	Project or programme*	(\$000)		(\$000)
109				
110				
111				
112				
113				
114	* include additional rows if needed			
115	All other projects or programmes - routine expenditure	5,574		
116	Routine expenditure			5,574
117	<b>Atypical expenditure</b>			
118	Project or programme*	(\$000)		(\$000)
119		-		
120				
121				
122				
123				
124	* include additional rows if needed			
125	All other projects or programmes - atypical expenditure	-		
126	Atypical expenditure			-
127				
128	Expenditure on non-network assets			5,574



Company Name  
For Year Ended

Waipa Networks Limited  
31 March 2023

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

This schedule requires a breakdown of operational expenditure incurred in the disclosure year. EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch\_ref

**6b(i): Operational Expenditure**

	(\$000)	(\$000)
7		
8	Service interruptions and emergencies	2,411
9	Vegetation management	1,541
10	Routine and corrective maintenance and inspection	593
11	Asset replacement and renewal	801
12	<b>Network opex</b>	<b>5,346</b>
13	System operations and network support	3,840
14	Business support	4,336
15	<b>Non-network opex</b>	<b>8,176</b>
16		
17	<b>Operational expenditure</b>	<b>13,522</b>

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

EDBs must disclose both a public version of this Schedule (excluding cybersecurity cost data) and a confidential version of this Schedule (including cybersecurity costs)

18	Energy efficiency and demand side management, reduction of energy losses		
19	Direct billing*		
20	Research and development		
21	Insurance		
22	Cybersecurity (Commission only)		
23			
24			
25			

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



Company Name	Waipa Networks Limited
For Year Ended	31 March 2023

**SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE**

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

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

sch ref

7	7(i): Revenue	Target (\$000) <sup>1</sup>	Actual (\$000)	% variance
8	Line charge revenue	30,540	30,730	1%

9	7(ii): Expenditure on Assets	Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
10	Consumer connection	4,218	8,141	93%
11	System growth	3,322	2,281	(31%)
12	Asset replacement and renewal	3,021	2,102	(30%)
13	Asset relocations	178	492	176%
14	Reliability, safety and environment:			
15	Quality of supply	1,065	446	(58%)
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	460	252	(45%)
18	Total reliability, safety and environment	1,525	698	(54%)
19	Expenditure on network assets	12,264	13,713	12%
20	Expenditure on non-network assets	4,103	5,574	36%
21	Expenditure on assets	16,367	19,287	18%

22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	994	2,411	143%
24	Vegetation management	1,034	1,541	49%
25	Routine and corrective maintenance and inspection	689	593	(14%)
26	Asset replacement and renewal	591	801	36%
27	Network opex	3,308	5,346	62%
28	System operations and network support	3,648	3,840	5%
29	Business support	7,520	4,336	(42%)
30	Non-network opex	11,168	8,176	(27%)
31	Operational expenditure	14,476	13,522	(7%)

32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	–	–	–
34	Overhead to underground conversion	–	1,109	–
35	Research and development	–	–	–

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

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

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



Company Name: **COLUMBIAN TELEVISION STATIONS, INC.**  
 Company Address: **1111 14TH STREET, S.W.**  
 City/State/Zip: **SEASIDE, CA 92082**

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**  
 This schedule shall be filed with the Commission in accordance with the Commission's rules. It shall be filed with the Commission on or before the date of filing of the bill. It shall be filed with the Commission in accordance with the Commission's rules. It shall be filed with the Commission in accordance with the Commission's rules.

**(Bill) Line Charge Revenue (\$000) by Price Component**

Line	Description	Contract	Quantity	Unit Price	Total Revenue	Total Revenue		Total Revenue		Total Revenue		Total Revenue		Total Revenue		Total Revenue
						Contract	Other	Contract	Other	Contract	Other	Contract	Other			
1	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
2	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
3	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
4	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
5	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
6	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
7	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
8	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
9	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
10	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
11	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
12	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
13	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
14	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
15	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
16	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
17	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
18	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
19	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
20	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
21	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
22	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
23	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
24	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
25	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
26	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
27	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
28	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
29	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
30	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
31	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
32	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
33	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
34	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
35	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
36	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
37	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
38	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
39	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
40	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
41	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
42	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
43	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
44	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
45	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
46	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
47	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
48	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
49	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
50	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
51	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
52	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
53	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
54	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
55	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
56	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
57	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
58	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
59	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
60	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
61	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
62	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
63	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
64	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
65	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
66	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
67	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
68	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
69	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
70	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
71	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
72	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
73	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
74	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
75	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
76	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
77	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
78	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
79	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
80	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
81	Contract	1000	1000	1.00	1000	1000	0	1000	0	1000	0	1000	0	1000	0	1000
82	Other	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0
83	Contract	1000	1000	1												

Company Name	Waipa Networks Limited
For Year Ended	31 March 2023
Network / Sub-network Name	

**SCHEDULE 9a: ASSET REGISTER**

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

sch ref

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy	
					year (quantity)	year (quantity)		(1-4)	(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	20,788	20,810	22	3	
9	All	Overhead Line	Wood poles	No.	1,505	1,482	(23)	3	
10	All	Overhead Line	Other pole types	No.	3	-	(3)		
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	-		
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	36	36	-	3	
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-		
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-		
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-		
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-		
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-		
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-		
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-		
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-		
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-		
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-		
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-		
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-		
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-		
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-		
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-		
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-		
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-		
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-		
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-		
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-		
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	-	-		
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,236	1,233	(4)	2	
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-		
36	HV	Distribution Line	SWER conductor	km	-	-	-		
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	167	170	3	1	
38	HV	Distribution Cable	Distribution UG PILC	km	1	1	0	1	
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-		
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	116	117	1	3	
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-		
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	5,396	5,463	67	1	
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-		
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	119	178	59	3	
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,792	2,817	25	3	
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	858	884	26	3	
47	HV	Distribution Transformer	Voltage regulators	No.	57	57	-	3	
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-		
49	LV	LV Line	LV OH Conductor	km	507	507	0	2	
50	LV	LV Cable	LV UG Cable	km	347	358	11	1	
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	91	92	1	1	
52	LV	Connections	OH/UG consumer service connections	No.	28,550	28,791	241	4	
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	148	155	7	3	
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4	
55	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	4	
56	All	Load Control	Centralised plant	Lot	3	3	-	4	
57	All	Load Control	Relays	No.	19,051	18,952	(99)	1	
58	All	Civils	Cable Tunnels	km	-	-	-		



Company Name **Waipa Networks Limited**

For Year Ended **31 March 2023**

Network / Sub-network Name

**SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES**

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

sch ref

9			
10	<b>Circuit length by operating voltage (at year end)</b>	<b>Overhead (km)</b>	<b>Underground (km)</b>
11	> 66kV	36	–
12	50kV & 66kV	–	–
13	33kV	–	–
14	SWER (all SWER voltages)	–	–
15	22kV (other than SWER)	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	1,233	172
17	Low voltage (< 1kV)	504	358
18	<b>Total circuit length (for supply)</b>	<b>1,773</b>	<b>530</b>
19			<b>Total circuit length (km)</b>
20	Dedicated street lighting circuit length (km)	67	92
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		–
22			
23	<b>Overhead circuit length by terrain (at year end)</b>	<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
24	Urban	213	12%
25	Rural	1,480	83%
26	Remote only	–	–
27	Rugged only	80	5%
28	Remote and rugged	–	–
29	Unallocated overhead lines	(0)	-0%
30	<b>Total overhead length</b>	<b>1,773</b>	<b>100%</b>
31			
32		<b>Circuit length (km)</b>	<b>(% of total circuit length)</b>
33	Length of circuit within 10km of coastline or geothermal areas (where known)	162	7%
34		<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
35	Overhead circuit requiring vegetation management	1,269	72%



Company Name **Waipa Networks Limited**  
 For Year Ended **31 March 2023**

**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	Lakewood	66	41
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 2023
Network / Sub-network Name	

**SCHEDULE 9e: REPORT ON NETWORK DEMAND**

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

sch ref

8	<b>9e(i): Consumer Connections</b>	
9	Number of ICPs connected in year by consumer type	
10	Consumer types defined by EDB*	Number of connections (ICPs)
11	Residential	777
12	General	119
13	Unmetered	-
14	11KV	
15		
16	* include additional rows if needed	
17	<b>Connections total</b>	896
18	Number of ICPs decommissioned in year by consumer type	
19	Consumer types defined by EDB*	Number of decommissionings
20	[EDB consumer type]	
21	[EDB consumer type]	
22	[EDB consumer type]	
23	[EDB consumer type]	
24	[EDB consumer type]	
25	[EDB consumer type]	
26	* include additional rows if needed	
27	<b>Decommissionings total</b>	-
28	<b>Distributed generation</b>	
29	Number of connections made in year	157 connections
30	Capacity of distributed generation installed in year	4.21 MVA
31		
32		
33		
34	<b>9e(ii): System Demand</b>	
35		
36		
37	<b>Maximum coincident system demand</b>	Demand at time of maximum coincident demand (MW)
38	GXP demand	85
39	plus Distributed generation output at HV and above	-
40	<b>Maximum coincident system demand</b>	85
41	less Net transfers to (from) other EDBs at HV and above	
42	<b>Demand on system for supply to consumers' connection points</b>	85
43	<b>Electricity volumes carried</b>	Energy (GWh)
44	Electricity supplied from GXPs	441
45	less Electricity exports to GXPs	
46	plus Electricity supplied from distributed generation	0
47	less Net electricity supplied to (from) other EDBs	
48	<b>Electricity entering system for supply to consumers' connection points</b>	441
49	less Total energy delivered to ICPs	420
50	<b>Electricity losses (loss ratio)</b>	21 4.8%
51		
52		
53	<b>Load factor</b>	0.59
54	<b>9e(iii): Transformer Capacity</b>	
55		(MVA)
56	Distribution transformer capacity (EDB owned)	296
57	Distribution transformer capacity (Non-EDB owned, estimated)	7
58	<b>Total distribution transformer capacity</b>	303
59		
60	<b>Zone substation transformer capacity</b>	n/a
61		

Company Name **Waipa Networks Limited**  
 For Year Ended **31 March 2023**  
 Network / Sub-network Name

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

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

sch ref

**10(i): Interruptions**

**Interruptions by class**

**Number of interruptions**

Class A (planned Interruptions by Transpower)	---
Class B (planned Interruptions on the network)	121
Class C (unplanned Interruptions on the network)	255
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>376</b>

**Interruption restoration**

**≤3Hrs >3hrs**

Class C interruptions restored within	179	76
---------------------------------------	-----	----

**SAIFI and SAIDI by class**

**SAIFI SAIDI**

Class A (planned Interruptions by Transpower)	--	--
Class B (planned Interruptions on the network)	0.22	59.57
Class C (unplanned Interruptions on the network)	2.09	404.82
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>2.31</b>	<b>464.39</b>

**Normalised SAIFI and SAIDI**

**Normalised SAIFI Normalised SAIDI**

Classes B & C (Interruptions on the network)	2.23	175.7
--	------	-------

**Transitional SAIFI and SAIDI (previous method)**

**SAIFI SAIDI**

Where EDBs do not currently record their SAIFI and SAIDI values using the 'multi-count' approach, they shall continue to record their SAIFI and SAIDI values on the same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Transitional SAIDI' values, in addition to their SAIFI and SAIDI values (Classes B & C) using the 'multi-count approach'. This is a transitional reporting requirement that shall be in place for the 2024, 2025, and 2026 disclosure years.

Class B (planned Interruptions on the network)		
Class C (unplanned Interruptions on the network)		



Company Name **Waipa Networks Limited**  
 For Year Ended **31 March 2023**  
 Network / Sub-network Name

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

This schedule requires a summary of the key measures of network reliability (Interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 7.8.

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

Cause	SAIFI	SAIDI
Lightning	0.08	2.52
Vegetation	0.41	43.56
Adverse weather	0.33	231.17
Adverse environment	0.03	2.52
Third party interference	0.24	36.96
Wildlife	0.06	5.70
Human error	0.14	6.19
Defective equipment	0.38	51.67
Cause unknown	0.43	20.98

**Breakdown of third party Interference**

	SAIFI	SAIDI
Dig-In		
Overhead contact		
Vandalism		
Vehicle damage		
Other		

**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)	0.19	53.1
Distribution cables (excluding LV)	0.01	1.9
Distribution other (excluding LV)	0.02	4.6

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines		
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.17	94.5
Distribution cables (excluding LV)	0.01	2.1
Distribution other (excluding LV)	1.91	304.6

**10(v): Fault Rate**

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines			-
Subtransmission cables			-
Subtransmission other			
Distribution lines (excluding LV)	11	1,233	0.89
Distribution cables (excluding LV)	2	172	1.16
Distribution other (excluding LV)	242		
<b>Total</b>	<b>255</b>		



We express an opinion on schedule 14 (box 1- 11 only)

Company Name	<u>Waipa Networks Limited</u>
For Year Ended	<u>31 March 2023</u>

## Schedule 14 Mandatory Explanatory Notes

*(Guidance Note: This Microsoft Word version of Schedules 14, 14a and 15 is from the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018. Clause references in this template are to that determination)*

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 11 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

### *Return on Investment (Schedule 2)*

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

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

The return on investment (schedule 2) has been completed in accordance with the Commerce Commission's requirements. There were no reclassified items during the year.

### *Regulatory Profit (Schedule 3)*

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
  - 5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3
  - 5.2 information on reclassified items in accordance with subclause 2.7.1(2).

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

The regulatory profit (schedule 3) has been completed in accordance with the Commerce Commission's requirements. There are no material items that need to be disclosed. There were no reclassified items during the year.



*Merger and acquisition expenses (3(iv) of Schedule 3)*

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-
  - 6.1 information on reclassified items in accordance with subclause 2.7.1(2)
  - 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

**Box 3: Explanatory comment on merger and acquisition expenditure**  
There was no merger and acquisition expenses during the 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 subclause 2.7.1(2).

**Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)**  
The value of the regulatory asset base (schedule 4) has been completed in accordance with the Commerce Commission's requirements. There were no reclassified items during the year.

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

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
  - 8.1 Income not included in regulatory profit / (loss) before tax but taxable;
  - 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
  - 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
  - 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

**Box 5: Regulatory tax allowance: permanent differences**

Current year portion of the Third Party Contribution costs  
which are being amortised over 10 years \$2,787k  
Revenue from Miscellaneous fees \$ 94k  
Total Permanent differences \$2,882k

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

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

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

Tax effect of other temporary difference as disclosed in 5a(vi) is as follows;

Wages Provisions \$191k

Creditors \$90k

Provision for Car Accidents \$301k

Total Temporary Timing Differences 31 March 2023 \$598k

Wages Provisions \$138k

Creditors \$240k

Provision for Car Accidents \$392k

Total Temporary Timing Differences 31 March 2022 \$770k

Movement in Timing Differences \$-172k

Tax effect of timing difference \$-48k

*Cost allocation (Schedule 5d)*

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

**Box 7: Cost allocation**

Waipa Networks Limited allocates costs between its EDB and non-EDB services. Non electricity distribution services include the cost to Waipa Networks Limited of providing contracting services and tree services. These non-EDB operations are wholly controlled by Waipa Networks Limited and are therefore considered related parties when preparing these information disclosures.

- Waipa Networks Contracting is a trading department of Waipa Networks Limited. The principal activities are construction and maintenance of electrical networks.
- Waikato Tree Services is the trading name of another trading department of Waipa Networks Limited whose principal activity is vegetation management.

Operating costs are allocated to the Electricity Distribution business using the Accounting based allocation approach (ABAA). The Proxy used for the basis of allocation is relevant to the time employees spent on activities in EDB versus non-EDB services, or in the case of property costs, area occupied by those business support services. There were no reclassified items during the year.

*Asset allocation (Schedule 5e)*

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

**Box 8: Commentary on asset allocation**

Land and buildings assets are assets shared by Waipa Networks Limited's EDB and non-EDB operations. Asset values are allocated based on a proxy relationship (area occupied by EDB versus non-EDB operations).

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

12. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-
- 12.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
  - 12.2 information on reclassified items in accordance with subclause 2.7.1(2).



**Box 9: Explanation of capital expenditure for the disclosure year**

**Capital Expenditure**

Capital Expenditure on network assets was \$13.7m. \$4.3m of this was funded from third party capital contributions.

Non-network capital expenditure was \$5.6m

**Related Parties**

Across network and non-network assets, \$7.9m of the capital expenditure was from a related party (Schedule 5b). As described in Box 7, Waipa Networks Limited has its own Contracting services that deliver asset construction services for the EDB.

**Materiality**

Waipa Networks' materiality threshold is 10% for capital expenditure on any category of network assets capital expenditures exceeding \$250,000. Material projects are also those that span multiple years.

**Reclassified Items**

No expenditure was reclassified during the disclosure year (March 2023).

**Atypical Capital Expenditure**

There was no Atypical Capital expenditure on non-network assets during the disclosure year (March 2023).

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

13. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-
  - 13.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;
  - 13.2 Information on reclassified items in accordance with subclause 2.7.1(2);
  - 13.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

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

Operational Expenditure

Overall Operational Expenditure was \$13.5m.

Reclassified Items

No items were reclassified during the disclosure year.

Atypical Operational Expenditure

No atypical operational expenditure occurred during the disclosure year (March 2023)

Related parties

\$5.8m of expenditure was from a related party (Schedule 5b). As described in Box 7, Waipa Networks Limited has its own Contracting and Tree services that deliver operating services for the EDB.

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

14. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 11: Explanatory comment on variance in actual to forecast expenditure**

**Capital Expenditure**

Capital Expenditure on network assets was \$13.7m which was \$1.4m (12%) above the forecast of \$12.2m set for the disclosure year.

Consumer Connections: Expenditure was \$8,141k which was 93% above the forecast of \$4,218k due to strong subdivision activities in the Waipa region.

System Growth: Expenditure was \$2,281k which was 31% below the forecast of \$3,322k. Expenditure covered a range of asset classes including distribution and LV circuits, transformers, fuses and switches. The delay of the Te Awamutu GXP Feeder Cable Upgrade project (\$1,755k) due to council consent, and the deferral of the Future Digital Data Communications Network project (\$325k) were the main contributors.

Asset Replacement and Renewal: Expenditure was \$2,102k which was 30% below the forecast of \$3,021k. Expenditure covered a range of asset classes including distribution and LV circuits, transformers, fuses, and switches. Replacement of transformers, fuses, ring main units and switches were a major contributor to under expenditure.

Asset Relocation: Expenditure was \$492k which was above forecast of \$178k by 176% relating to Local Council, NZTA road redevelopment and deviations and relocations to support the strong subdivision developments.

Reliability, Safety and Environment (Quality of Supply): Expenditure was \$446k which was 58% below the forecast of \$1,065k. The project to install remote control switches / loop automation (\$570k) was reprogrammed and deferred and thus contributed to the underspend.

Reliability, Safety and Environment (Other Reliability, Safety and Environment): Expenditure was \$252k which was 45% below the forecast of \$460k. The underspending was mainly contributed by seismic strengthening of Voltage Regulator structures project (\$278k) due to delays in resolving site geotechnical (liquefaction) issues.

Non-network capital expenditure was \$5.6m, \$1.5m above the forecast of \$4.1m due to additional spend on Land purchase costs and Equipment.

Operational Expenditure: Overall Operational Expenditure was \$13.5m which was \$954k (7%) below forecast of \$14.5m set for the disclosure year.

Service Interruptions and Emergencies: Expenditure was \$2,411k which was 143% above the forecast of \$994k. This in part was due to emergency response for Cyclone Gabrielle in February and increased faults response.

Vegetation Management: Expenditure of \$1,541k was 49% above the forecast of \$1,034k due to a combination of additional vegetation preventative works to catch up with the backlogs from the previous year as well as post Cyclone Gabrielle response.

Routine and Corrective Maintenance and Inspection: Expenditure of \$593k was 14% below

the forecast of \$689k.

Asset Replacement and Renewal: Expenditure of \$801k was 36% above the forecast of \$591k due to more focus on proactive actions addressing distribution transformer defects and maintenance.

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

15. In the box below provide-

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

**Box 12: Explanatory comment relating to revenue for the disclosure year**

Target revenue for 2023 was \$30.5m as disclosed in Schedule 7 (Comparison of Forecasts to Actual Expenditure). The total billed line charge revenue for 2023 was \$30.7m. The variance between target revenue and total billed revenue for the year is (1)%. The target revenue is after posted discounts and includes charges to sub networks.

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

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

**Box 13: Commentary on network reliability for the disclosure year**

Historically reliability targets were set based on a 'moving average' plus one standard deviation principle – ranging between 130-180 minutes for unplanned components. We now adapt the DPP3 normalisation-based method which sets a fixed unplanned SAIDI limit of 109.3 minutes as new proxy target. This is a significant reduction in the target limit with the aim to incentivise and drive reliability improvements going forward.

Total SAIDI minutes for 2023 was 464 minutes, above the SCI target of 244 minutes (190% of target). This is attributed to the impact of Cyclone Gabrielle on 14 February 2023 which had an impact of 227 SAIDI minutes. Planned shutdowns accounted for 60 SAIDI minutes, below the AMP target of 126 SAIDI minutes (48% of target). Unplanned shutdowns totalled 405 SAIDI minutes, above the AMP target of 160 minutes (253% of target) due to the impact of Cyclone Gabrielle. Excluding Cyclone Gabrielle Unplanned shutdown SAIDI minutes would be 178, below target.

Total SAIFI for 2023 was 2.31, 104% of the SCI target of 2.21. Planned SAIFI was 0.22, 46% of the AMP target of 0.48. Unplanned SAIFI was 2.09, below AMP target of 1.73 (121% of target).

*Insurance cover*

17. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-
  - 17.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
  - 17.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

**Box 14: Explanation of insurance cover**

Waipa Networks does not insure any network distribution assets. Waipa Networks does not retain, manage or invest any reserves for the purposes of self insurance.

*Amendments to previously disclosed information*

18. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
  - 18.1 a description of each error; and
  - 18.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

**Box 15: Disclosure of amendment to previously disclosed information**  
No amendments to previously disclosed information.

We do not express an opinion on schedule 14a

Company Name Waipa Networks Limited

For Year Ended 31 March 2023

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

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)*

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.
2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

*Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a)*

3. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11a.

**Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts**  
Waipa Networks reviews and refines the capital forecasts of expenditure on network assets every year. We have used the midpoint of the Reserve Banks inflation target for our indexation, 2% p.a.

*Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)*

4. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11b.

**Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts**  
Waipa Networks reviews and refines the operational expenditure on networks assets every year. We have used the midpoint of the Reserve Banks inflation target for our indexation, 2% p.a.

We do not express an opinion on schedule 15

Company Name Waipa Networks Limited

For Year Ended 31 March 2023

### Schedule 15 Voluntary Explanatory Notes

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)*

1. This schedule enables EDBs to provide, should they wish to-
  - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;
  - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
3. Provide additional explanatory comment in the box below.

**Box 1: Voluntary explanatory comment on disclosed information**

**Basis of preparation for interruptions – S10 Reliability**

The SAIFI disclosed in Schedule 10 has been prepared on the following basis, that is consistent with the previous disclosure year:

Where an interruption to the supply of a customer is followed by restoration and then by a “successive interruption” to the same customer the relevant SAIFI value is based on a the actual number of multiple outages, not based on a single outage.



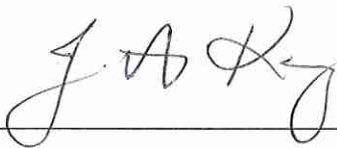
# WAIPĀ NETWORKS LIMITED

## Schedule 18 Certification for Year-end Disclosures

Clause 2.9.2 and 2.9.5

We, Jonathan Kay and Jonathan Cameron, being directors of Waipā Networks 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, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, and 2.7.1 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, and 14 has been properly extracted from the Waipā Networks Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained.
- c) In respect of information concerning assets, costs and revenues valued or disclosed in accordance with clause 2.3.6 of the Electricity Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012, we are satisfied that-
  - i. the costs and values of assets or goods or services acquired from a related party comply, in all material respects, with clauses 2.3.6(1) and 2.3.6(3) of the Electricity Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5)(a)-2.2.11(5)(b) of the Electricity Distribution Services Input Methodologies Determination 2012; and
  - ii. the value of assets or goods or services sold or supplied to a related party comply, in all material respects, with clause 2.3.6(2) of the Electricity Distribution Information Disclosure Determination 2012.



Jonathan Kay  
Director

Date 25/8/23



Jonathan Cameron  
Director

Date 25/8/23



## **INDEPENDENT ASSURANCE REPORT**

**TO THE DIRECTORS OF WAIPA NETWORKS LIMITED AND TO THE COMMERCE COMMISSION  
ON THE DISCLOSURE INFORMATION  
FOR THE DISCLOSURE YEAR ENDED 31 MARCH 2023  
AS REQUIRED BY  
THE ELECTRICITY DISTRIBUTION INFORMATION DISCLOSURE DETERMINATION 2012  
(CONSOLIDATED 6 JULY 2023)**

The Waipa Networks Limited (the company) is required to disclose certain information under the Electricity Distribution Information Disclosure Determination 2012 (consolidated 6 July 2023) (the Determination) and to procure an assurance report by an independent auditor in terms of section 2.8.1 of the Determination.

The Auditor-General is the auditor of the company.

The Auditor-General has appointed me, Glenn Keaney, using the staff and resources of KPMG, to undertake a reasonable assurance engagement, on his behalf, on whether the information prepared by the company for the disclosure year ended 31 March 2023 (the Disclosure Information) complies, in all material respects, with the Determination.

The Disclosure Information that falls within the scope of the assurance engagement are:

- Schedules 1 to 4, 5a to 5g, 6a and 6b, 7, 10 and 14 (limited to the explanatory notes in boxes 1 to 11) of the Determination.
- Clause 2.3.6 of the Determination and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012 (consolidated 20 May 2020) (the IM Determination), in respect of the basis for valuation of related party transactions (the Related Party Transaction Information).

This assurance report should be read in conjunction with the Commerce Commission's Information Disclosure exemption, issued to all electricity distribution businesses on 9 June 2023 under clause 2.11.1 of the Determination. The Commerce Commission granted an exemption from the requirement that the assurance report, in respect of the information in Schedule 10 of the Determination, must take into account any issues arising out of the company's recording of SAIDI, SAIFI, and number of interruptions due to successive interruptions.

### **Opinion**

In our opinion, in all material respects:

- as far as appears from an examination, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the company;
- as far as appears from an examination, the information used in the preparation of the Disclosure Information has been properly extracted from the company's accounting and other records, sourced from the company's financial and non-financial systems;
- the Disclosure Information complies, in all material respects, with the Determination; and
- the basis for valuation of related party transactions complies with the Determination and the IM Determination.



**Basis for opinion**

We conducted our engagement in accordance with the Standard on Assurance Engagements (SAE) 3100 (Revised) *Compliance Engagements* (“SAE 3100 (Revised)”), issued by the New Zealand Auditing and Assurance Standards Board. An engagement conducted in accordance with SAE 3100 (Revised) requires that we comply with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised) *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information*.

We have obtained sufficient recorded evidence and explanations that we required to provide a basis for our opinion.

**Key Assurance Matters**

Key assurance matters are those matters that, in our professional judgement, required significant attention when carrying out the assurance engagement during the current disclosure year. These matters were addressed in the context of our compliance engagement, and in forming our opinion. We do not provide a separate opinion on these matters.

<b>Key Assurance Matter</b>	<b>How our procedures addressed the key assurance matter</b>
<ul style="list-style-type: none"> <li>• Capitalisation of assets into the Regulatory Asset Base (“RAB”)  <i>Schedule 4, 5e and 6a</i></li> </ul>	<p>Our procedures included, amongst others:</p> <ul style="list-style-type: none"> <li>• Examine system and non-system additions in the RAB to the Fixed Asset Register audited as part of the financial statement audit, obtaining explanations for any significant differences;</li> <li>• Examining depreciation recorded;</li> <li>• Reviewing asset categories within the RAB; and</li> <li>• Reviewing capital expenditure trends over time.</li> </ul>
<ul style="list-style-type: none"> <li>• Completeness and accuracy of SAIDI and SAIFI  <i>Schedule 10</i></li> </ul>	<p>Our procedures included, amongst others:</p> <ul style="list-style-type: none"> <li>• Examining outages in the report to the outages audited as part of the financial statement audit; and</li> <li>• Recalculating the interruptions, SAIDI, SAIFI and fault rates.</li> </ul>

**Directors’ responsibilities**

The directors of the company are responsible in accordance with the Determination for:

- the preparation of the Disclosure Information; and
- the Related Party Transaction Information.

The directors of the company are also responsible for the identification of risks that may threaten compliance with the schedules and clauses identified above and controls which will mitigate those risks and monitor ongoing compliance.



## **Auditor's responsibilities**

Our responsibilities in terms of clauses 2.8.1(1)(b)(vi) and (vii), 2.8.1(1)(c) and 2.8.1(1)(d) are to express an opinion on whether:

- as far as appears from an examination, the information used in the preparation of the audited Disclosure Information has been properly extracted from the company's accounting and other records, sourced from its financial and non-financial systems;
- as far as appears from an examination, proper records to enable the complete and accurate compilation of the audited Disclosure Information required by the Determination have been kept by the company and, if not, the records not so kept;
- the company complied, in all material respects, with the Determination in preparing the audited Disclosure Information; and
- the company's basis for valuation of related party transactions in the disclosure year has complied, in all material respects, with clause 2.3.6 of the Determination and clauses 2.2.11(1)(g) and 2.2.11(5) of the IM Determination.

To meet these responsibilities, we planned and performed procedures in accordance with SAE 3100 (Revised), to obtain reasonable assurance about whether the company has complied, in all material respects, with the Disclosure Information (which includes the Related Party Transaction Information) required to be audited by the Determination.

An assurance engagement to report on the company's compliance with the Determination involves performing procedures to obtain evidence about the compliance activity and controls implemented to meet the requirements. The procedures selected depend on our judgement, including the identification and assessment of the risks of material non-compliance with the requirements.

## **Inherent limitations**

Because of the inherent limitations of an assurance engagement, together with the internal control structure, it is possible that fraud, error or non-compliance with the Determination may occur and not be detected.

A reasonable assurance engagement throughout the disclosure year does not provide assurance on whether compliance with the Determination will continue in the future.

## **Restricted use**

This report has been prepared for use by the directors of the company and the Commerce Commission in accordance with clause 2.8.1(1)(a) of the Determination and is provided solely for the purpose of establishing whether the compliance requirements have been met. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the company and the Commerce Commission, or for any other purpose than that for which it was prepared.

## **Independence and quality control**

We complied with the Auditor-General's:

- independence and other ethical requirements, which incorporate the requirements of Professional and Ethical Standard 1 *International Code of Ethics for Assurance Practitioners (including International Independence Standards) (New Zealand)* (PES 1) issued by the New Zealand Auditing and Assurance Standards Board; and



- quality management requirements, which incorporate Professional and Ethical Standard 3 *Quality Management for Firms that perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements* (PES 3) issued by the New Zealand Auditing and Assurance Standards Board. PES 3 requires our firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

The Auditor-General, and his employees, and KPMG and its employees may deal with the company on normal terms within the ordinary course of trading activities of the company. Other than any dealings on normal terms within the ordinary course of trading activities of the company, this engagement, and the annual audit of the company's financial statements and performance information, we have no relationship with, or interests in, the company.

A handwritten signature in blue ink, appearing to read 'G. Keane'.

Glenn Keane  
KPMG Tauranga  
On behalf of the Auditor-General  
Wellington, New Zealand  
25 August 2023