



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

Company Name

Network Waitaki Limited

Disclosure Date

30 August 2019

Disclosure Year (year ended)

31 March 2019

**Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 21 December 2017**

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Disclosure Template Instructions

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

Company Name and Dates

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

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

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

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

Data Entry Cells and Calculated Cells

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

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

Validation Settings on Data Entry Cells

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

Conditional Formatting Settings on Data Entry Cells

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

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

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

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

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

Inserting Additional Rows and Columns

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

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

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

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

Disclosures by Sub-Network

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

Schedule References

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

Description of Calculation References

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

Worksheet Completion Sequence

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

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

Company Name	Network Waitaki Limited
For Year Ended	31 March 2019

SCHEDULE 1: ANALYTICAL RATIOS

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

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

sch ref

7 1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
8					
9	Operational expenditure				
10	25,648	486	100,946	3,326	30,864
11	10,311	195	40,584	1,337	12,408
12	15,337	291	60,362	1,989	18,455
13	Expenditure on assets				
14	35,496	673	139,707	4,603	42,715
15	29,507	559	116,136	3,826	35,508
16	5,989	114	23,571	777	7,207

17 1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
18		
19	Total consumer line charge revenue	
20	69,558	1,318
21	80,329	1,102
22	42,031	33,306

23 1(iii): Service intensity measures

24		
25	Demand density	33 <i>Maximum coincident system demand per km of circuit length (for supply) (kW/km)</i>

Company Name	Network Waitaki Limited
For Year Ended	31 March 2019

SCHEDULE 1: ANALYTICAL RATIOS

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26	Volume density	130	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
27	Connection point density	7	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
28	Energy intensity	18,953	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

1(iv): Composition of regulatory income

	(\$000)	% of revenue
31		
32	6,287	36.87%
33	5,020	29.44%
34	4,019	23.57%
35	1,349	7.91%
36	451	2.65%
37	2,623	15.38%
38	Total regulatory income	17,050

1(v): Reliability

41		
42	21.05	Interruptions per 100 circuit km

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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sch ref

		CY-2	CY-1	Current Year CY
		31 Mar 17	31 Mar 18	31 Mar 19
		%	%	%
7	2(i): Return on Investment			
8				
9	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	4.29%	3.68%	2.41%
11	Excluding revenue earned from financial incentives	4.29%	3.68%	2.41%
12	Excluding revenue earned from financial incentives and wash-ups	4.29%	3.68%	2.41%
13				
14	Mid-point estimate of post tax WACC	4.77%	5.04%	4.75%
15	25th percentile estimate	4.05%	4.36%	4.07%
16	75th percentile estimate	5.48%	5.72%	5.43%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	4.83%	4.27%	2.92%
21	Excluding revenue earned from financial incentives	4.83%	4.27%	2.92%
22	Excluding revenue earned from financial incentives and wash-ups	4.83%	4.27%	2.92%
23				
24	WACC rate used to set regulatory price path	N/A	N/A	N/A
25				
26	Mid-point estimate of vanilla WACC	5.31%	5.60%	5.26%
27	25th percentile estimate	4.59%	4.92%	4.58%
28	75th percentile estimate	6.03%	6.29%	5.94%
29				
30	2(ii): Information Supporting the ROI			(\$000)
31				
32	Total opening RAB value	91,008		

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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sch ref			
33	<i>plus</i>	Opening deferred tax	(3,262)
34		Opening RIV	87,746
35			
36		Line charge revenue	17,050
37			
38		Expenses cash outflow	11,307
39	<i>add</i>	Assets commissioned	6,945
40	<i>less</i>	Asset disposals	-
41	<i>add</i>	Tax payments	12
42	<i>less</i>	Other regulated income	-
43		Mid-year net cash outflows	18,264
44			
45		Term credit spread differential allowance	-
46			
47		Total closing RAB value	95,283
48	<i>less</i>	Adjustment resulting from asset allocation	(0)
49	<i>less</i>	Lost and found assets adjustment	-
50	<i>plus</i>	Closing deferred tax	(3,701)
51		Closing RIV	91,583
52			
53		ROI – comparable to a vanilla WACC	2.92%
54			
55		Leverage (%)	42%
56		Cost of debt assumption (%)	4.33%
57		Corporate tax rate (%)	28%
58			
59		ROI – comparable to a post tax WACC	2.41%

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For Year Ended

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sch ref

60							
61	2(iii): Information Supporting the Monthly ROI						
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							

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

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sch ref

87			
88	Monthly ROI – comparable to a vanilla WACC		N/A
89			
90	Monthly ROI – comparable to a post tax WACC		N/A
91			
92	2(iv): Year-End ROI Rates for Comparison Purposes		
93			
94	Year-end ROI – comparable to a vanilla WACC		2.88%
95			
96	Year-end ROI – comparable to a post tax WACC		2.37%
97			
98	<i>* 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.</i>		
99			
100	2(v): Financial Incentives and Wash-Ups		
101			
102	Net recoverable costs allowed under incremental rolling incentive scheme		–
103	Purchased assets – avoided transmission charge		N/A
104	Energy efficiency and demand incentive allowance		N/A
105	Quality incentive adjustment		N/A
106	Other financial incentives		N/A
107	Financial incentives		–
108			
109	Impact of financial incentives on ROI		–
110			
111	Input methodology claw-back		N/A
112	CPP application recoverable costs		N/A
113	Catastrophic event allowance		N/A

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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<i>sch ref</i>			
114	Capex wash-up adjustment	N/A	
115	Transmission asset wash-up adjustment	N/A	
116	2013–15 NPV wash-up allowance	N/A	
117	Reconsideration event allowance	N/A	
118	Other wash-ups	N/A	
119	Wash-up costs		-
120			
121	Impact of wash-up costs on ROI		-

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

7	3(i): Regulatory Profit	(\$000)
8	Income	
9	Line charge revenue	17,050
10	<i>plus</i> Gains / (losses) on asset disposals	
11	<i>plus</i> Other regulated income (other than gains / (losses) on asset disposals)	
12		
13	Total regulatory income	17,050
14	Expenses	
15	<i>less</i> Operational expenditure	6,287
16		
17	<i>less</i> Pass-through and recoverable costs excluding financial incentives and wash-ups	5,020
18		
19	Operating surplus / (deficit)	5,743
20		
21	<i>less</i> Total depreciation	4,019
22		
23	<i>plus</i> Total revaluations	1,349
24		
25	Regulatory profit / (loss) before tax	3,074
26		
27	<i>less</i> Term credit spread differential allowance	-
28		
29	<i>less</i> Regulatory tax allowance	451
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	2,623
32		

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups		(\$000)	
33	Pass through costs		
34	Rates	110	
35	Commerce Act levies	19	
36	Industry levies	49	
37	CPP specified pass through costs	N/A	
38	Recoverable costs excluding financial incentives and wash-ups		
39	Electricity lines service charge payable to Transpower	4,402	
40	Transpower new investment contract charges	439	
41	System operator services	N/A	
42	Distributed generation allowance	N/A	
43	Extended reserves allowance	N/A	
44	Other recoverable costs excluding financial incentives and wash-ups	N/A	
45	Pass-through and recoverable costs excluding financial incentives and wash-ups		5,020

3(iii): Incremental Rolling Incentive Scheme		(\$000)	
		CY-1 31 Mar 18	CY 31 Mar 19
48	Allowed controllable opex	N/A	N/A
49	Actual controllable opex	N/A	N/A
50	Incremental change in year		N/A
51		Previous years' incremental change	Previous years' incremental change adjusted for inflation

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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sch ref

57	CY-5	31 Mar 14	N/A	N/A
58	CY-4	31 Mar 15	N/A	N/A
59	CY-3	31 Mar 16	N/A	N/A
60	CY-2	31 Mar 17	N/A	N/A
61	CY-1	31 Mar 18	N/A	N/A
62	Net incremental rolling incentive scheme			-
63				
64	Net recoverable costs allowed under incremental rolling incentive scheme			-
65	3(iv): Merger and Acquisition Expenditure			
70				(\$000)
66	Merger and acquisition expenditure			N/A
67				
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>			
69	3(v): Other Disclosures			
70				(\$000)
71	Self-insurance allowance			N/A

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

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

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

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		for year ended				
		RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)
7	4(i): Regulatory Asset Base Value (Rolled Forward)					
10	Total opening RAB value	75,102	74,256	81,660	86,879	91,008
12	less Total depreciation	3,295	3,459	3,709	3,727	4,019
14	plus Total revaluations	63	434	1,762	952	1,349
16	plus Assets commissioned	2,628	10,575	7,347	7,130	6,945
18	less Asset disposals	199	146	181	226	-
20	plus Lost and found assets adjustment	(43)			-	-
22	plus Adjustment resulting from asset allocation				(0)	(0)
24	Total closing RAB value	74,256	81,660	86,879	91,008	95,283

		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
29	Total opening RAB value		91,649		91,008
31	less Total depreciation		4,176		4,019
33	plus Total revaluations		1,359		1,349
35	plus Assets commissioned (other than below)	7,312		6,945	
36	Assets acquired from a regulated supplier				
37	Assets acquired from a related party				
38	Assets commissioned		7,312		6,945
40	less Asset disposals (other than below)				
41	Asset disposals to a regulated supplier				
42	Asset disposals to a related party				
43	Asset disposals		-		-
45	plus Lost and found assets adjustment				
47	plus Adjustment resulting from asset allocation				(0)
49	Total closing RAB value		96,144		95,283

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

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

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

sch ref

* 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.

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

CPI ₄	1,026
CPI ₄ ⁻⁴	1,011
Revaluation rate (%)	1.48%

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
91,649		91,008	
74		74	
91,575		90,934	
	1,359		1,349

4(iv): Roll Forward of Works Under Construction

Unallocated works under construction	Allocated works under construction
872	853
7,277	6,910
7,312	6,945
837	818

4(v): Regulatory Depreciation

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
3,361		3,361	
815		658	
	4,176		4,019

4(vi): Disclosure of Changes to Depreciation Profiles

(\$000 unless otherwise specified)

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

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

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

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	Asset or assets with changes to depreciation*	Reason for non-standard depreciation (text entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation
86					
87					
88					
89					
90					
91					
92					
93					
94					

* include additional rows if needed

4(vii): Disclosure by Asset Category

		(\$000 unless otherwise specified)									
		Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99	Total opening RAB value	10,189	1,414	15,265	27,229	7,555	16,369	7,943	1,627	3,417	91,008
100	less Total depreciation	270	26	490	1,189	370	587	357	72	658	4,019
101	plus Total revaluations	151	21	226	403	112	243	118	24	51	1,349
102	plus Assets commissioned	528	-	765	1,671	449	590	1,415	59	1,468	6,945
103	less Asset disposals										-
104	plus Lost and found assets adjustment										-
105	plus Adjustment resulting from asset allocation										-
106	plus Asset category transfers										-
107	Total closing RAB value	10,598	1,409	15,766	28,114	7,746	16,615	9,119	1,638	4,278	95,283
108	Asset Life										
110	Weighted average remaining asset life	44.3	53.9	37.1	35.0	35.2	33.6	26.8	21.3	2.0	(years)
111	Weighted average expected total asset life	52.1	62.6	49.1	54.2	50.6	49.1	38.1	28.1	3.5	(years)

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		3,074
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable		*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	115	*
12	Amortisation of initial differences in asset values	1,132	
13	Amortisation of revaluations	202	
14			1,449
15			
16	<i>less</i> Total revaluations	1,349	
17	Income included in regulatory profit / (loss) before tax but not taxable		*
18	Discretionary discounts and customer rebates		
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*
20	Notional deductible interest	1,562	
21			2,911
22			
23	Regulatory taxable income		1,611
24			
25	<i>less</i> Utilised tax losses		
26	Regulatory net taxable income		1,611
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		451
30			
31	* Workings to be provided in Schedule 14		

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

32 5a(ii): Disclosure of Permanent Differences

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

34 5a(iii): Amortisation of Initial Difference in Asset Values

(\$000)

36	Opening unamortised initial differences in asset values	27,156	
37	<i>less</i> Amortisation of initial differences in asset values	1,132	
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		26,025
42	Opening weighted average remaining useful life of relevant assets (years)		24

44 5a(iv): Amortisation of Revaluations

(\$000)

46	Opening sum of RAB values without revaluations	87,168	
48	Adjusted depreciation	3,817	
49	Total depreciation	4,019	
50	Amortisation of revaluations		202

52 5a(v): Reconciliation of Tax Losses

(\$000)

54	Opening tax losses		
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Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

55	<i>plus</i>	Current period tax losses		
56	<i>less</i>	Utilised tax losses		
57		Closing tax losses		-
58		5a(vi): Calculation of Deferred Tax Balance		(\$000)
59				
60		Opening deferred tax	(3,262)	
61				
62	<i>plus</i>	Tax effect of adjusted depreciation	1,069	
63				
64	<i>less</i>	Tax effect of tax depreciation	1,602	
65				
66	<i>plus</i>	Tax effect of other temporary differences*	411	
67				
68	<i>less</i>	Tax effect of amortisation of initial differences in asset values	317	
69				
70	<i>plus</i>	Deferred tax balance relating to assets acquired in the disclosure year		
71				
72	<i>less</i>	Deferred tax balance relating to assets disposed in the disclosure year		
73				
74	<i>plus</i>	Deferred tax cost allocation adjustment	0	
75				
76		Closing deferred tax		(3,701)
77				

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

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)
7	5b(i): Summary—Related Party Transactions		
8	Total regulatory income		
9			
10	Market value of asset disposals		
11			
12	Service interruptions and emergencies	—	
13	Vegetation management	—	
14	Routine and corrective maintenance and inspection	—	
15	Asset replacement and renewal (opex)	—	
16	Network opex		—
17	Business support	—	
18	System operations and network support	—	
19	Operational expenditure		—
20	Consumer connection	—	
21	System growth	—	
22	Asset replacement and renewal (capex)	—	
23	Asset relocations	—	
24	Quality of supply	—	
25	Legislative and regulatory	—	
26	Other reliability, safety and environment	—	
27	Expenditure on non-network assets		—
28	Expenditure on assets		—
29	Cost of financing		
30	Value of capital contributions		
31	Value of vested assets		
32	Capital Expenditure		—

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

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

33 **Total expenditure** -

34
35 **Other related party transactions**

36 **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)
37			
38		[Select one]	
39		[Select one]	
40		[Select one]	
41		[Select one]	
42		[Select one]	
43		[Select one]	
44		[Select one]	
45		[Select one]	
46		[Select one]	
47		[Select one]	
48		[Select one]	
49		[Select one]	
50		[Select one]	
51		[Select one]	
52		[Select one]	
53	Total value of related party transactions		-

54 * include additional rows if needed

55

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

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

sch ref

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

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

** include additional rows if needed*

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

Gross term credit spread differential								
Total book value of interest bearing debt								
Leverage				42%				
Average opening and closing RAB values								
Attribution Rate (%)								
Term credit spread differential allowance								

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		470			
12	Not directly attributable				-	
13	Total attributable to regulated service		470			
14	Vegetation management					
15	Directly attributable		536			
16	Not directly attributable				-	
17	Total attributable to regulated service		536			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		904			
20	Not directly attributable				-	
21	Total attributable to regulated service		904			
22	Asset replacement and renewal					
23	Directly attributable		617			
24	Not directly attributable				-	
25	Total attributable to regulated service		617			
26	System operations and network support					
27	Directly attributable		1,809			
28	Not directly attributable				-	
29	Total attributable to regulated service		1,809			
30	Business support					
31	Directly attributable					
32	Not directly attributable		1,951	488	2,439	
33	Total attributable to regulated service		1,951			
34						
35	Operating costs directly attributable		4,336			
36	Operating costs not directly attributable	-	1,951	488	2,439	-
37	Operational expenditure		6,287			
38						

5d(ii): Other Cost Allocations

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

	(\$000)
Pass through and recoverable costs	
Pass through costs	
Directly attributable	179
Not directly attributable	
Total attributable to regulated service	179
Recoverable costs	
Directly attributable	4,841
Not directly attributable	
Total attributable to regulated service	4,841

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

		(\$000)	
		CY-1	Current Year (CY)
Change in cost allocation 1			
Cost category	N/A	Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	-
Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
Change in cost allocation 2			
Cost category	N/A	Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	-
Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
Change in cost allocation 3			
Cost category	N/A	Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	-
Rationale for change			

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

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** 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
For Year Ended

Network Waitaki Limited
31 March 2019

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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5e(i): Regulated Service Asset Values

Value allocated
(\$000s)
Electricity distribution
services

Subtransmission lines

Directly attributable

10,598

Not directly attributable

Total attributable to regulated service

10,598

Subtransmission cables

Directly attributable

1,409

Not directly attributable

Total attributable to regulated service

1,409

Zone substations

Directly attributable

15,766

Not directly attributable

Total attributable to regulated service

15,766

Distribution and LV lines

Directly attributable

28,114

Not directly attributable

Total attributable to regulated service

28,114

Distribution and LV cables

Directly attributable

7,746

Not directly attributable

Total attributable to regulated service

7,746

Distribution substations and transformers

Directly attributable

16,615

Not directly attributable

Total attributable to regulated service

16,615

Distribution switchgear

Company Name	Network Waitaki Limited
For Year Ended	31 March 2019

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

35	Directly attributable	9,119
36	Not directly attributable	
37	Total attributable to regulated service	9,119
38	Other network assets	
39	Directly attributable	1,638
40	Not directly attributable	
41	Total attributable to regulated service	1,638
42	Non-network assets	
43	Directly attributable	847
44	Not directly attributable	3,431
45	Total attributable to regulated service	4,278
46		
47	Regulated service asset value directly attributable	91,852
48	Regulated service asset value not directly attributable	3,431
49	Total closing RAB value	95,283

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

		(\$000)	
		CY-1	Current Year (CY)
53	Change in asset value allocation 1		
54	Asset category		
55	Original allocator or line items		
56	New allocator or line items		
57			
58	Rationale for change		
59			
60			
61			
62	Change in asset value allocation 2		
63	Asset category		
64	Original allocator or line items		
65	New allocator or line items		

54	Asset category	N/A	Original allocation		
55	Original allocator or line items		New allocation		
56	New allocator or line items		Difference	-	-
58	Rationale for change				
62	Change in asset value allocation 2				
63	Asset category	N/A	Original allocation		
64	Original allocator or line items		New allocation		
65	New allocator or line items		Difference	-	-

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

66					
67	Rationale for change				
68					
69					
70					(\$000)
71	Change in asset value allocation 3				
72	Asset category	N/A		Original allocation	
73	Original allocator or line items			New allocation	
74	New allocator or line items			Difference	
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

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

		(\$000)	(\$000)
7	6a(i): Expenditure on Assets		
8	Consumer connection		1,248
9	System growth		963
10	Asset replacement and renewal		3,771
11	Asset relocations		–
12	Reliability, safety and environment:		
13	Quality of supply	1,033	
14	Legislative and regulatory	218	
15	Other reliability, safety and environment	–	
16	Total reliability, safety and environment		1,251
17	Expenditure on network assets		7,233
18	Expenditure on non-network assets		1,468
19			
20	Expenditure on assets		8,701
21	<i>plus</i> Cost of financing		
22	<i>less</i> Value of capital contributions		1,791
23	<i>plus</i> Value of vested assets		
24			
25	Capital expenditure		6,910
26	6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		–
28	Overhead to underground conversion		–

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

52	System growth and asset replacement and renewal expenditure	963	3,771
53	less Capital contributions funding system growth and asset replacement and renewal	780	-
54	System growth and asset replacement and renewal less capital contributions	183	3,771

6a(v): Asset Relocations

		(\$000)	(\$000)
57	<i>Project or programme*</i>		
58	[Description of material project or programme]	N/A	
59	[Description of material project or programme]	N/A	
60	[Description of material project or programme]	N/A	
61	[Description of material project or programme]	N/A	
62	[Description of material project or programme]	N/A	
63	<i>* include additional rows if needed</i>		
64	All other projects or programmes - asset relocations	-	
65	Asset relocations expenditure		-
66	less Capital contributions funding asset relocations	-	
67	Asset relocations less capital contributions		-

6a(vi): Quality of Supply

		(\$000)	(\$000)
70	<i>Project or programme*</i>		
71	F19 Replace Ohau 11kV incomer RMU	55	
	F19 Replace 551 rel & unsafe Prot pan	10	
	F19 Rural switchgear/protection	113	

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

	F19 New Reclosers/Sectionalisers/TSW		39	
	F19 UG ducting HV LV Fibre (General)		7	
	F18 Pukeuri Zone sub Dual Tx Upgrade		324	
	F19 Arc Flash Protection Zone Subs		31	
	F19 Replace 1x Rural 2 pole Tx Structure		11	
	F19 Install new ABS's		80	
	F18 Ngapara 33kV CB to isolate Ngapara		0	
	F19 Twizel to Omarama 33kV reinforcement		258	
72	F19 Radio Link upgrade		28	
73	F18 Backup Supplies for Radio Repeater		5	
74	F19 - LV U/G - Ferguson to Hilles Rd		24	
75	F19 - LV U/G - Settlement Rd Area		47	
76	<i>* include additional rows if needed</i>			
77	Other projects programmes - quality of supply		–	
78	Quality of supply expenditure			1,033
79	<i>less</i> Capital contributions funding quality of supply		–	
80	Quality of supply less capital contributions			1,033
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83	F19 Distribution Box Replacements		169	
84	F19- Remove LV U/G Crossing-SH8		49	
85			N/A	
86			N/A	
87			N/A	

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

88	<i>* include additional rows if needed</i>		
89	All other projects or programmes - legislative and regulatory	-	
90	Legislative and regulatory expenditure		218
91	<i>less</i> Capital contributions funding legislative and regulatory	-	
92	Legislative and regulatory less capital contributions		218

6a(viii): Other Reliability, Safety and Environment

	<i>Project or programme*</i>	(\$000)	(\$000)
94	[Description of material project or programme]	N/A	
95	[Description of material project or programme]	N/A	
96	[Description of material project or programme]	N/A	
97	[Description of material project or programme]	N/A	
98	[Description of material project or programme]	N/A	
99	[Description of material project or programme]	N/A	

100	<i>* include additional rows if needed</i>		
101	All other projects or programmes - other reliability, safety and environment	-	
102	Other reliability, safety and environment expenditure		-
103	<i>less</i> Capital contributions funding other reliability, safety and environment	-	
104	Other reliability, safety and environment less capital contributions		-

6a(ix): Non-Network Assets

	<i>Project or programme*</i>	(\$000)	(\$000)
106	Routine expenditure		
107			
108	Buildings and Fitout	823	
109	Computer Hardware	71	

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

111	Computer Software	80	
112	Standby Generation	61	
113	Office Equipment	31	
114	Plant and Equipment	60	
115	Vehicles	342	
116	<i>* include additional rows if needed</i>		
117	All other projects or programmes - routine expenditure	–	
118	Routine expenditure		1,468
119	Atypical expenditure		
120	<i>Project or programme*</i>	(\$000)	(\$000)
121	[Description of material project or programme]	N/A	
122	[Description of material project or programme]	N/A	
123	[Description of material project or programme]	N/A	
124	[Description of material project or programme]	N/A	
125	[Description of material project or programme]	N/A	
126	<i>* include additional rows if needed</i>		
127	All other projects or programmes - atypical expenditure	–	
128	Atypical expenditure		–
129			
130	Expenditure on non-network assets		1,468

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**

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

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.

EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	470	
9	Vegetation management	536	
10	Routine and corrective maintenance and inspection	904	
11	Asset replacement and renewal	617	
12	Network opex		2,528
13	System operations and network support	1,809	
14	Business support	1,951	
15	Non-network opex		3,759
16			
17	Operational expenditure		6,287
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		-
20	Direct billing*		-
21	Research and development		-
22	Insurance		108
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

7	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance
8	Line charge revenue	19,041	17,050	(10%)
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	1,249	1,248	(0%)
11	System growth	4,210	963	(77%)
12	Asset replacement and renewal	3,890	3,771	(3%)
13	Asset relocations	–	–	–
14	Reliability, safety and environment:			
15	Quality of supply	782	1,033	32%
16	Legislative and regulatory	286	218	(24%)
17	Other reliability, safety and environment		–	–
18	Total reliability, safety and environment	1,068	1,251	17%
19	Expenditure on network assets	10,417	7,233	(31%)
20	Expenditure on non-network assets	2,304	1,468	(36%)
21	Expenditure on assets	12,721	8,701	(32%)

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	388	470	21%
24	Vegetation management	570	536	(6%)
25	Routine and corrective maintenance and inspection	891	904	1%
26	Asset replacement and renewal	460	617	34%
27	Network opex	2,309	2,528	9%
28	System operations and network support	1,417	1,809	28%
29	Business support	1,894	1,951	3%
30	Non-network opex	3,311	3,759	14%
31	Operational expenditure	5,620	6,287	12%
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	N/A	–	–
34	Overhead to underground conversion	N/A	–	–
35	Research and development	30	–	(100%)
36				
37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses	N/A	–	–

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

39	Direct billing	N/A	–	–
40	Research and development	N/A	–	–
41	Insurance	94	108	15%
42				
43	<i>1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination</i>			
44	<i>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)</i>			

Company Name **Network Waitaki Limited**
 For Year Ended **31 March 2019**
 Network / Sub-Network Name

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg. residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	
RLC	Residential and Commercial	Standard	3,803	22,079	
RLU	Residential and Commercial	Standard	597	2,529	
15C	Residential and Commercial	Standard	4,749	41,565	
15U	Residential and Commercial	Standard	1,693	8,169	
30C	Residential and Commercial	Standard	209	2,568	
30U	Residential and Commercial	Standard	465	4,668	
50C	Residential and Commercial	Standard	151	4,782	
50U	Residential and Commercial	Standard	626	17,603	
100	Commercial and Industrial	Standard	344	29,227	
200	Commercial and Industrial	Standard	123	18,044	
300	Commercial and Industrial	Standard	53	10,008	
500	Commercial and Industrial	Standard	23	10,645	
750	Commercial and Industrial	Standard	10	4,297	
IND	Large Commercial and Industrial	Non-standard	87	68,940	
Standard consumer totals				12,846	176,185
Non-standard consumer totals				87	68,940
Total for all consumers				12,933	245,124

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

Unit charging basis (eg. days, kW of demand, kVA of capacity, etc.)

Billed quantities by price component

Price component	Distribution Fixed	Distribution Variable Day	Distribution Variable Night	Transmission Fixed	Transmission Variable Day	Transmission Variable Night	IND Distribution	IND Transmission	IND Distribution	IND Transmission
	ICP	MWh	MWh	ICP	MWh	MWh	MVA	MVA	Anytime MW	Anytime MW
3,801	15,917	6,162	3,801	15,917	6,162					
594	2,007	522	594	2,007	522					
4,749	29,486	12,079	4,749	29,486	12,079					
1,695	6,383	1,787	1,695	6,383	1,787					
209	1,872	696	209	1,872	696					
465	3,541	1,127	465	3,541	1,127					
151	3,528	1,253	151	3,528	1,253					
626	13,293	4,310	626	13,293	4,310					
344	21,174	8,052	344	21,174	8,052					
123	13,015	5,030	123	13,015	5,030					
53	7,368	2,640	53	7,368	2,640					
23	7,068	3,577	23	7,068	3,577					
10	2,781	1,516	10	2,781	1,516					
87						29	29	14	14	
12,843	127,434	48,751	12,843	127,434	48,751					
87						29	29	14	14	
12,930	127,434	48,751	12,843	127,434	48,751	29	29	14	14	

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

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

Consumer group name or price category code	Consumer type or types (eg. residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)
RLC	Residential and Commercial	Standard	\$1,713	
RLU	Residential and Commercial	Standard	\$254	
15C	Residential and Commercial	Standard	\$3,342	
15U	Residential and Commercial	Standard	\$1,022	
30C	Residential and Commercial	Standard	\$219	
30U	Residential and Commercial	Standard	\$487	
50C	Residential and Commercial	Standard	\$376	
50U	Residential and Commercial	Standard	\$1,509	
100	Commercial and Industrial	Standard	\$2,142	
200	Commercial and Industrial	Standard	\$1,306	
300	Commercial and Industrial	Standard	\$756	
500	Commercial and Industrial	Standard	\$729	
750	Commercial and Industrial	Standard	\$297	
IND	Large Commercial and Industrial	Non-standard	\$2,898	
Standard consumer totals			\$14,153	
Non-standard consumer totals			\$2,898	
Total for all consumers			\$17,050	

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

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg. \$ per day, \$ per kWh, etc.)
\$1,196	\$517	
\$157	\$98	
\$2,405	\$937	
\$672	\$351	
\$144	\$75	
\$301	\$186	
\$263	\$113	
\$1,030	\$479	
\$1,514	\$628	
\$925	\$381	
\$537	\$219	
\$527	\$202	
\$211	\$86	
\$1,543	\$1,355	
\$9,881	\$4,271	
\$1,543	\$1,355	
\$11,424	\$5,626	

Line charge revenues (\$000) by price component

Price component	Distribution Fixed after discount	Distribution Variable Day	Distribution Variable Night	Transmission Fixed	Transmission Variable Day	Transmission Variable Night	IND Distribution	IND Transmission	IND Distribution	IND Transmission	IND Distribution Fixed	IND Transmission Fixed
	\$/ICP	\$/MWh	\$/MWh	\$/ICP	\$/MWh	\$/MWh	\$/kVA	\$/kVA	\$/kW	\$/kW	\$/ICP	\$/ICP
(\$245)	\$1,386	\$55	\$76	\$424	\$17							
(\$23)	\$175	\$5	\$12	\$78	\$7							
\$350	\$1,965	\$90	\$195	\$710	\$32							
\$233	\$425	\$13	\$192	\$154	\$5							
\$14	\$125	\$5	\$28	\$45	\$2							
\$60	\$233	\$8	\$99	\$84	\$3							
\$19	\$235	\$9	\$24	\$85	\$3							
\$123	\$875	\$32	\$152	\$316	\$11							
\$71	\$1,384	\$58	\$107	\$500	\$21							
\$45	\$843	\$36	\$64	\$305	\$13							
\$30	\$488	\$19	\$35	\$176	\$7							
\$29	\$472	\$27	\$23	\$170	\$9							
\$11	\$188	\$11	\$14	\$68	\$4							
						\$843	\$647	\$610	\$313	\$102	\$382	
\$719	\$8,793	\$370	\$1,021	\$3,116	\$134							
						\$843	\$647	\$610	\$313	\$102	\$382	
\$719	\$8,793	\$370	\$1,021	\$3,116	\$134	\$843	\$647	\$610	\$313	\$102	\$382	

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

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check OK
 \$17,050.334590
 \$17,050.334590

to S1 and S9e

to S1, S3 and S7

Company Name	Network Waitaki Limited
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	8,867	8,936	69	2
9	All	Overhead Line	Wood poles	No.	12,740	12,651	(89)	2
10	All	Overhead Line	Other pole types	No.	111	111	-	2
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	218	218	-	2
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	4	4	-	1
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	18	18	-	1
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	1	1	-	1
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	1	1	-	1
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	107	104	(3)	2
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	11	11	-	1
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	42	42	-	1
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	79	80	1	1
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	3	4	1	1
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	23	23	-	1
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,259	1,255	(4)	2
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	61	63	2	2
38	HV	Distribution Cable	Distribution UG PILC	km	8	8	0	2

Company Name **Network Waitaki Limited**

For Year Ended **31 March 2019**

Network / Sub-network Name

SCHEDULE 9a: ASSET REGISTER

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

40	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	52	59	7	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	N/A
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,722	3,892	170	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	N/A
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	186	192	6	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,350	2,367	17	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	525	535	10	2
48	HV	Distribution Transformer	Voltage regulators	No.	11	14	3	1
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
50	LV	LV Line	LV OH Conductor	km	235	231	(4)	2
51	LV	LV Cable	LV UG Cable	km	106	112	6	2
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	87	87	(0)	3
53	LV	Connections	OH/UG consumer service connections	No.	12,695	12,781	86	2
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	148	158	10	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	1
56	All	Capacitor Banks	Capacitors including controls	No.	2	2	-	1
57	All	Load Control	Centralised plant	Lot	3	3	-	1
58	All	Load Control	Relays	No.	9,669	9,689	20	2
59	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

Network / Sub-network Name

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

9

10 **Circuit length by operating voltage (at year end)**

11 > 66kV

12 50kV & 66kV

13 33kV

14 SWER (all SWER voltages)

15 22kV (other than SWER)

16 6.6kV to 11kV (inclusive—other than SWER)

17 Low voltage (< 1kV)

18 **Total circuit length (for supply)**

19

20 Dedicated street lighting circuit length (km)

21 Circuit in sensitive areas (conservation areas, iwi territory etc) (km)

22

23 **Overhead circuit length by terrain (at year end)**

24 Urban

25 Rural

26 Remote only

27 Rugged only

28 Remote and rugged

29 Unallocated overhead lines

30 **Total overhead length**

31

32

	Overhead (km)	Underground (km)	Total circuit length (km)
> 66kV	-	-	-
50kV & 66kV	-	-	-
33kV	218	4	222
SWER (all SWER voltages)	-	-	-
22kV (other than SWER)	-	-	-
6.6kV to 11kV (inclusive—other than SWER)	1,255	71	1,326
Low voltage (< 1kV)	231	112	343
Total circuit length (for supply)	1,703	187	1,890

Dedicated street lighting circuit length (km)	21	17	38
Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			-

	Circuit length (km)	(% of total overhead length)
Urban	361	21%
Rural	1,341	79%
Remote only	0	0%
Rugged only	-	-
Remote and rugged	-	-
Unallocated overhead lines	2	0%
Total overhead length	1,703	100%

	Circuit length (km)	(% of total circuit length)
Dedicated street lighting circuit length (km)	21	1.1%
Circuit in sensitive areas (conservation areas, iwi territory etc) (km)	-	0%

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

Network / Sub-network Name

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

33	Length of circuit within 10km of coastline or geothermal areas (where known)	719	38%
34		(% of total Circuit length (km) overhead length)	
35	Overhead circuit requiring vegetation management	36	2%

Company Name	Network Waitaki Limited
For Year Ended	31 March 2019

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8	<p>No embedded networks operate within the Network Waitaki network area or are operated elsewhere by Network Waitaki.</p>		
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26	<p>* 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</p>		

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

Network / Sub-network Name

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

8

9e(i): Consumer Connections

9

Number of ICPs connected in year by consumer type

10

Consumer types defined by EDB*

11

Individual Contract customers - large commercial and industrial

12

Small customers - residential and commercial to 15kVA

13

Medium customers - residential and commercial 16kVA to 50kVA

14

Large customers - commercial and industrial 51kVA and above

15

16

17

Connections total

18

19

Distributed generation

20

Number of connections made in year

21

Capacity of distributed generation installed in year

22

9e(ii): System Demand

23

24

25

Maximum coincident system demand

Number of connections (ICPs)

Individual Contract customers - large commercial and industrial	-
Small customers - residential and commercial to 15kVA	126
Medium customers - residential and commercial 16kVA to 50kVA	15
Large customers - commercial and industrial 51kVA and above	9
Connections total	150

150

Number of connections made in year	16	connections
Capacity of distributed generation installed in year	0.07	MVA

Demand at time of maximum coincident demand (MW)

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

Network / Sub-network Name

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

26	GXP demand		62	
27	<i>plus</i> Distributed generation output at HV and above			
28	Maximum coincident system demand		62	
29	<i>less</i> Net transfers to (from) other EDBs at HV and above			
30	Demand on system for supply to consumers' connection points		62	
31	Electricity volumes carried			Energy (GWh)
32	Electricity supplied from GXPs		254	
33	<i>less</i> Electricity exports to GXPs			
34	<i>plus</i> Electricity supplied from distributed generation		0.27	
35	<i>less</i> Net electricity supplied to (from) other EDBs			
36	Electricity entering system for supply to consumers' connection points		254	
37	<i>less</i> Total energy delivered to ICPs		245	
38	Electricity losses (loss ratio)		9	3.6%
39				
40	Load factor		0.47	
41	9e(iii): Transformer Capacity			
42				(MVA)
43	Distribution transformer capacity (EDB owned)		204	
44	Distribution transformer capacity (Non-EDB owned, estimated)		25	
45	Total distribution transformer capacity		229	
46				
47	Zone substation transformer capacity		240	

Company Name

Network Waitaki Limited

For Year Ended

31 March 2019

Network / Sub-network Name

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

Company Name **Network Waitaki Limited**

For Year Ended **31 March 2019**

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)	4	
11	Class B (planned interruptions on the network)	232	
12	Class C (unplanned interruptions on the network)	143	
13	Class D (unplanned interruptions by Transpower)	–	
14	Class E (unplanned interruptions of EDB owned generation)	–	
15	Class F (unplanned interruptions of generation owned by others)	–	
16	Class G (unplanned interruptions caused by another disclosing entity)	–	
17	Class H (planned interruptions caused by another disclosing entity)	–	
18	Class I (interruptions caused by parties not included above)	19	
19	Total	398	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	111	32
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	0.00	0.9
26	Class B (planned interruptions on the network)	0.48	100.3
27	Class C (unplanned interruptions on the network)	1.20	48.0
28	Class D (unplanned interruptions by Transpower)	–	–
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	–	–
31	Class G (unplanned interruptions caused by another disclosing entity)	–	–
32	Class H (planned interruptions caused by another disclosing entity)	–	–

Company Name	Network Waitaki Limited
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

33	Class I (interruptions caused by parties not included above)	0.00	0.3
34	Total	1.68	149.5

36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.68	148.3

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

41	Cause	SAIFI	SAIDI
42	Lightning	0.00	0.0
43	Vegetation	0.06	4.2
44	Adverse weather	0.04	1.3
45	Adverse environment	0.02	1.5
46	Third party interference	0.09	7.9
47	Wildlife	0.04	3.7
48	Human error	-	-
49	Defective equipment	0.50	18.0
50	Cause unknown	0.44	11.4

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

54	Main equipment involved	SAIFI	SAIDI
55	Subtransmission lines	0.00	0.0

Company Name	Network Waitaki Limited
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

56	Subtransmission cables	-	-
57	Subtransmission other	-	-
58	Distribution lines (excluding LV)	0.48	100.2
69	Distribution cables (excluding LV)	0.00	0.1
60	Distribution other (excluding LV)	-	-

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

Main equipment involved		SAIFI	SAIDI
63	Subtransmission lines	0.52	13.7
64	Subtransmission cables	-	-
65	Subtransmission other	-	-
66	Distribution lines (excluding LV)	0.68	34.3
67	Distribution cables (excluding LV)	-	-
68	Distribution other (excluding LV)	-	-

10(v): Fault Rate

Main equipment involved		Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
71	Subtransmission lines	6	218	2.75
72	Subtransmission cables	-	4	-
73	Subtransmission other	-	-	-
74	Distribution lines (excluding LV)	137	1,255	10.92
75	Distribution cables (excluding LV)	-	71	-
76	Distribution other (excluding LV)	-	-	-
77	Total	143		

Company Name	<u>Network Waitaki Limited</u>
For Year Ended	<u>31 March 2019</u>

Schedule 14 Mandatory Explanatory Notes

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

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

Return on Investment (Schedule 2)

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

Box 1: Explanatory comment on return on investment

Network Waitaki Limited's Return on Investment of 2.41% p.a. is below the 25th percentile WACC estimate of 4.07% p.a.

This reflects a reasonable return on investment for the Waitaki Power Trust who represent the electricity consumers in the Waitaki District.

No items have been reclassified.

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

Other regulated income was nil.

No items have been reclassified.

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

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-

6.1 information on reclassified items in accordance with subclause 2.7.1(2).

6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure

No merger and acquisition expenditure this 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 roll forward of Network Waitaki Limited's regulatory asset base was done using standard procedures. No items were reclassified this year.

Assets commissioned were 2.6% lower this year (\$6,945k) compared to last year (\$7,130k).

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

Expenditure or loss in regulatory profit / (loss) before tax but not deductible of \$14K is from entertainment expenses and \$101k is from legal and consulting expenses incurred by Network Waitaki Limited.

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)

Temporary differences are the tax effect of the difference between the tax and information disclosure treatment of capital contribution income. This amounts to \$411k depicted in Schedule 5a(vi) 'Tax effect of other temporary differences', which is made up of the Tax effect of \$407k as shown in the table 1 below, plus a further \$4k for provisions shown in table 2.

Table 1: derivation of \$407K Tax effect.

Capital contributions	2012	2013	2014	2015	2016	2017	2018	2019	Total remaining
624,770	- 62,477	- 62,477	- 62,477	- 62,477	- 62,477	- 62,477	- 62,477	- 62,477	124,954
1,127,130		- 112,713	- 112,713	- 112,713	- 112,713	- 112,713	- 112,713	- 112,713	338,139
1,459,780			- 145,978	- 145,978	- 145,978	- 145,978	- 145,978	- 145,978	583,912
3,362,030				- 336,203	- 336,203	- 336,203	- 336,203	- 336,203	1,681,015
2,480,806					- 248,081	- 248,081	- 248,081	- 248,081	1,488,482
2,034,517						- 203,452	- 203,452	- 203,452	1,424,161
1,667,619							- 166,762	- 166,762	1,334,095
1,790,630								- 179,063	1,611,567
14,547,282	- 62,477	- 175,190	- 321,168	- 657,371	- 905,452	- 1,108,904	- 1,275,666	- 1,454,729	8,586,326
	28%	28%	28%	28%	28%	28%	28%	28%	
	17	49	90	184	254	310	357	407	

Table 2: derivation of (\$4K) in provisions for leave etc.

Movement in provisions	Opening	Closing	Movement
Annual Leave	(446,311)	(499,880)	53,569
63 day adjustment	58,641	131,643	(73,002)
ACC	(14,979)	(13,920)	(1,059)
Doubtful debts	(34,663)	(54,277)	19,614
Long service leave	(105,542)	(116,262)	10,720
Gratuity	(114,317)	(118,963)	4,646
Total	(657,171)	(671,659)	14,488
			28%
			4

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

The Business Support operational expenditure category has costs that are not directly attributable. These include:

- Labour
- ACC
- Professional Subscriptions
- Training
- Computers
- Communications
- Audit
- Apparel
- Bank Fees
- Directors' Expenses
- Printing and Stationery
- Travel, Accommodation & meals
- Vehicle Operating Costs
- Premises
- Legal
- Consulting

ABAA was used as the allocation methodology in Business Support. A proxy cost allocator has been used for Business support. No items were reclassified.

Proxy allocators of 80/20 are used as it is a fair reflection of the time spend on business support operations. There is no obvious causal relationship for these expenses.

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

The Non-network asset category has costs that are not directly attributable.

These include: Building & Fit-out, Office Equipment, Computers, Software, Motor Vehicles, Plant & Equipment, Generator.

The allocation methodology used in all cases is ABAA.

Proxy allocators of 80/20 are used as it is a fair reflection of the time spend on the network business. There is no obvious causal relationship for these assets.

No items were reclassified this year.

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

No items have been reclassified this year.

No materiality threshold was applied. Projects as outlined in the network system reporting schedule were reported.

The main criteria to determine if expenditure is capitalised / commissioned is:

- a new asset; or
- whether the expense improves the asset value / life of the asset.

Operational Expenditure for the Disclosure Year (Schedule 6b)

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

- 13.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

Box 10: Explanation of operational expenditure for the disclosure year

No items have been reclassified this year.

Asset replacement and renewal consisted mainly of major maintenance on 11kV and Low Voltage lines and Distribution Transformers.

No atypical expenditure was included in operational expenditure.

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

Consumer Connection: - The forecast was based on historical trends and economic data available at the time of preparing the forecast. Network Waitaki traditionally takes a conservative view when forecasting rather than overstating forward work.

System Growth: Actual expenditure was less than the forecast. This was due to two main factors, namely: deferral of substation build due to customer development timing and forecast projects related to customer work that did not eventuate.

Asset Replacement & Renewal: - Expenditure was close to forecast. This area is largely driven from condition assessments carried out through the financial year.

Reliability, Safety, and Environment: - RSE spend is higher than forecast due to major work that was carried out as part of an upgrade of a zone substation, and a push to install new ABS's.

Non-Network

	Actual	Budget	Variance	
Non-Network Capital For the year ending 31 March 2019	1,835	2,304	469	

The gross Non-Network Capital Expenditure was under budget for the year mainly as a result of a number of technology (\$319k) and building (\$152k) projects not being undertaken. Please note that the forecast figure in schedule 7 has not been adjusted for allocations.

Operational Expenditure

Service interruptions and emergencies: Service interruptions and emergencies were higher than forecast. Network Waitaki has limited control over the actual spend in this budget area, as there is no option to not respond to a service interruption. The amount of work in this area is highly dependent on unpredictable external events such as weather and vehicle incidents.

Vegetation management: Expenditure was similar to the forecast in this area.

Routine and corrective maintenance and inspection: Actual expenditure was similar to the forecast in this area.

Asset replacement and renewal: Actual expenditure was higher than the forecast. This is largely due to condition based work that arose in the areas of overhead line maintenance and distribution transformer maintenance.

Systems Operations and Network Support

Systems Operations and Network Support Forecast as per 7 (iii) line 28 is \$1,417k (2018 actual used in AMP schedules in error) and it should be \$1,754 (2019 budget figure) giving a 3% unfavourable variance instead of the 28% shown.

Information relating to revenues and quantities for the disclosure year

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

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

Actual revenue was 10% less than the target. A contributing factor was the lower than expected volumes due to it being a wet year with less irrigation demand. Network Waitaki normally uses an average of three years' volume data as budgeted volume for the following year.

Network Waitaki bills on GXP volumes. Network Waitaki operates a GXP (grid exit point) pricing methodology. Schedule 8 requires the reporting of energy delivered to ICPs and the billed quantities by price component. Under the GXP pricing methodology, the actual energy delivered to ICPs differs from the chargeable kWh quantities detailed in the billed quantities section of Schedule 8, which are based on GXP quantities delivered. Network Waitaki uses volumes reconciled at each GXP to determine billable charges. Consequently, Network Waitaki is reliant on the accuracy and completeness of information supplied to it by retailers for the measurement of electricity delivered to customers.

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

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

Network Waitaki Limited insures its vehicles and buildings (including substations) and has public liability insurance. It does not insure its network, e.g. poles and lines, as it is not cost effective to do so.

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 material errors identified.

Company Name	<u>Network Waitaki Limited</u>
For Year Ended	<u>31 March 2019</u>

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

Network Waitaki Limited has consistent with previous years used predictions for CPI as extracted from the Reserve Bank of New Zealand Monetary Policy Statement.

For CY+1 no CPI adjustment has been made. From CY+2 to CY+10 a CPI forecast of 2% per annum was used as projected for 2020.

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

Network Waitaki Limited has consistent with previous years used predictions for CPI as extracted from the Reserve Bank of New Zealand Monetary Policy Statement.

For CY+1 no CPI adjustment has been made. From CY+2 to CY+10 a CPI forecast of 2% per annum was used as projected for 2020.

Company Name	<u>Network Waitaki Limited</u>
For Year Ended	<u>31 March 2019</u>

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

Schedules 9a, 9b

Continuing improvement in the accuracy of our GIS systems, and an ongoing review and cleanse of data have led to corrections in age profiles and therefore the items (quantity) at the start of this disclosure year may differ from the items (quantity) at the end of the previous disclosure year.

Schedule 9c

Improvement in GIS accuracy and a review of data have led to corrections.

Line length within 10km of coastline was recalculated using a more accurate method within GIS.

Overhead circuit requiring vegetation management. The methodology used was to apply an average span length of 80m against all vegetation defects that were raised in our defect system.

Schedule 10

Network Waitaki Limited continues to achieve high network reliability. The results for all categories are comparable with the results achieved last year. We continue to have a high number of outages to complete planned work as a result of reduced live line work occurring, to enable us to manage our hazards in accordance with the Health and Safety Work Act 2015.

Network Waitaki has limited ability to independently verify its network reliability information. SCADA switching times are only available for larger outages. For smaller outages the information is derived from consumer reports and fault documentation. These limitations are included in the network reliability information required to be disclosed in Reports 10(i) to 10(iv).

Information in schedule 10 has been prepared on a basis consistent with the previous year's disclosure.

Certification for Yearend Disclosures

Pursuant to Schedule 18

Clause 2.9.2 of section 2.9

Electricity Distribution Information Disclosure Determination 2012

We, Messers. C.J. Dennison and A.J. Wood, being directors of Network Waitaki 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 comply with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10, 14a, and 14b has been properly extracted from Network Waitaki Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained.



C.J. Dennison
Chairman of the Board of Directors

Date: 26/8/19



A.J. Wood
Chairman of the Audit & Risk Committee

Date: 26-8-19



Independent Auditor's Report

To the Directors of Network Waitaki Limited and the Commerce Commission

Assurance Report Pursuant to Electricity Distribution Information Disclosure Determination 2012

The Auditor-General is the auditor of Network Waitaki Limited (the Company). The Auditor-General has appointed me, Nathan Wylie, using the staff and resources of PricewaterhouseCoopers, to provide an opinion, on his behalf, on:

- whether the information required to be disclosed in accordance with the Electricity Distribution Information Disclosure Determination 2012 ('the Information Disclosure Determination') for the disclosure year ended 31 March 2019, has been prepared, in all material respects, in accordance with the Information Disclosure Determination.
The disclosure information required to be reported by the Company, and audited by the Auditor-General, under the Information Disclosure Determination is in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, and the explanatory notes in boxes 1 to 11 in Schedule 14 ('the Disclosure Information').
- whether the Company's basis for valuation of related party transactions ('the Related Party Transaction Information') for the disclosure year ended 31 March 2019, has been prepared, in all material respects, in accordance with clause 2.3.6 of the Information Disclosure Determination, and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012 ('the Input Methodologies Determination').

Opinion

In our opinion:

- as far as appears from an examination of them, 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 and has been sourced, where appropriate, from the Company's financial and non-financial systems;
- the Disclosure Information complies, in all material respects, with the Information Disclosure Determination; and
- the Related Party Transaction Information complies, in all material respects, with the Information Disclosure Determination and the Input Methodologies Determination.

In forming our opinion, we have obtained sufficient recorded evidence and all the information and explanations we have required.

Basis for opinion

We conducted our engagement in accordance with International Standard on Assurance Engagements (New Zealand) 3000 (Revised): *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* and the Standard on Assurance Engagements 3100 (Revised): *Compliance Engagements* issued by the New Zealand Auditing and Assurance Standards Board. Copies of these standards are available on the External Reporting Board's website.



These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, with the Information Disclosure Determination, and about whether the Related Party Transaction Information has been prepared, in all material respects, with the Information Disclosure Determination and the Input Methodologies Determination. Reasonable assurance is a high level of assurance.

We have performed procedures to obtain evidence about the amounts and disclosures in the Disclosure Information, and the basis of valuation in the Related Party Transaction Information. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the Disclosure Information and the Related Party Transaction Information, whether due to fraud, error or non-compliance with the Information Disclosure Determination or the Input Methodologies Determination. In making those risk assessments, we considered internal control relevant to the Company's preparation of the Disclosure Information and the Related Party Transaction Information in order to design procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.

Scope and inherent limitations

Because of the inherent limitations of a reasonable assurance engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Disclosure Information or the Related Party Transaction Information, nor do we guarantee complete accuracy of the Disclosure Information or the Related Party Transaction Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information or the Related Party Transaction Information.

The opinion expressed in this independent assurance report has been formed on the above basis.

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.



Key assurance matter	How our procedures addressed the key assurance matter
<p>Regulatory Asset Base</p> <p>The Regulatory Asset Base (RAB), as set out in Schedule 4, reflects the value of the Company's electricity distribution assets. These are valued using an indexed historic cost methodology prescribed by the Determination. It is a measure which is used widely and is key to measuring the Company's return on investment and therefore important when monitoring financial performance or setting electricity distribution prices.</p> <p>The RAB inputs, as set out in the Input Methodologies, are similar to those used in the measurement of fixed assets in the financial statements, however, there are a number of different requirements and complexities which require careful consideration.</p> <p>Due to the importance of the RAB within the regulatory regime, the incentives to overstate the RAB value, and complexities within the regulations, we have considered it to be a key area of focus.</p>	<p>We have obtained an understanding of the compliance requirements relevant to the RAB as set out in the Information Disclosure Determination (ID Determination) and the Input Methodologies (IMs).</p> <p>We have performed the following procedures:</p> <p><i>Assets commissioned</i></p> <ul style="list-style-type: none">• We reconciled the assets commissioned, as per the regulatory fixed asset register, to the asset additions disclosed in the audited annual financial statements and investigated any reconciling items;• We inspected the assets commissioned during the period, as per the regulatory fixed asset register, to identify any specific cost or asset type exclusions, as set out in the ID Determination, which are required to be removed from the RAB;• We tested a sample of assets commissioned during the disclosure period for appropriate asset category classification; <p><i>Depreciation</i></p> <ul style="list-style-type: none">• We compared the standard asset lives by asset category to those set out in the IMs;• For assets with no standard asset lives we assessed the reasonableness of the lives used by reference to the accounting depreciation rates;• We tested the mathematical accuracy of the depreciation calculation on a sample basis; <p><i>Revaluation</i></p> <ul style="list-style-type: none">• We recalculated the revaluation rate set out in the Input Methodologies using the relevant Consumer Price Index indices taken from the Statistics New Zealand website;• We tested the mathematical accuracy of the revaluation calculation performed by management; <p><i>Disposals</i></p> <ul style="list-style-type: none">• We inspected the asset disposals within the accounting fixed asset register to ensure disposals in the RAB meet the definition of a disposal per the IMs. <p>We have no matters to report from undertaking those procedures.</p>



Key assurance matter	How our procedures addressed the key assurance matter
<p>Cost and Asset Allocation</p> <p>The ID Determination relates to information concerning the supply of electricity distribution services. In addition to the regulated supply of electricity, Network Waitaki Limited also supplies customers with other unregulated services such as external contracting, metering and fibre services.</p> <p>As set out in schedules 5d, 5e, 5f and 5g, costs and asset values that relate to electricity distribution services regulated under the ID Determination should comprise:</p> <ul style="list-style-type: none"> • all of the costs directly attributable to the regulated goods or services; and • an allocated portion of the costs that are not directly attributable. <p>The IMs set out rules and processes for allocating costs and assets which are not directly attributable to either regulated or unregulated services. A number of screening tests apply which must be considered when deciding on the appropriate allocation method.</p> <p>The Company has applied the Accounting-Based Allocation Approach Methodology (ABAA) utilising proxy cost and asset allocators to allocate the asset values and operating costs that are not directly attributable where causal relationships could not be identified.</p> <p>Given the judgement involved in the application of the cost and asset allocation methodologies we consider it a key assurance matter.</p>	<p>We obtained an understanding of the Company’s cost and asset allocation processes and the methodologies applied.</p> <p>Our procedures over cost and asset allocation included:</p> <ul style="list-style-type: none"> • Reconciling the regulated and unregulated financial information to the audited financial statements; <p><i>Classification as directly/not directly attributable</i></p> <ul style="list-style-type: none"> • Considering the appropriateness of the costs allocated as directly attributable, based on the nature and our understanding of the business to determine the reasonableness of the directly attributable classification; • Testing a sample of transactions to ensure their classification as either directly attributable or not directly attributable costs are appropriate and in line with the ID determination; • Inspecting the fixed asset register to identify any asset classes which based on their nature and our understanding of the business could be considered assets directly attributable to a specific business unit; • Testing a sample of assets commissioned to work orders to ensure their classification as either directly attributable or not directly attributable are appropriate and in line with the ID determination; <p><i>Appropriateness of the allocators used for not directly attributable costs and assets</i></p> <ul style="list-style-type: none"> • Understanding why causal relationships could not be identified in allocating costs or assets and ensuring appropriate disclosure has been included outlining these in Schedule 14; • Considering the appropriateness of the cost and asset proxy allocators used in applying the ABAA to not directly attributable costs including surveying a sample of staff to understand their role and allocation of time; and • Recalculating the split between not directly attributable costs and asset values allocated to electricity distribution services and non-electricity distribution services. <p>We have no matters to report from undertaking those procedures.</p>



Directors' responsibility for the preparation of the Disclosure Information and valuation of related party transactions

The Directors of the Company are responsible for:

- the preparation of the Disclosure Information in accordance with the Information Disclosure Determination, and
- the Related Party Transaction Information in accordance with the Information Disclosure Determination and the Input Methodologies Determination

and for such internal control as the directors determine is necessary to enable the preparation of the Disclosure Information and the Related Party Transaction Information that are free from material misstatement.

Our responsibility for the audit of the Disclosure Information and valuation of related party transactions

Our responsibility is to express an opinion that provides reasonable assurance on whether:

- the Disclosure Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination; and
- the Related Party Transaction Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination and the Input Methodologies Determination.

Independence and quality control

When carrying out the engagement, we complied with:

- the Auditor-General's independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 (Revised) issued by the New Zealand Auditing and Assurance Standards Board;
- the independence requirements specified in the Information Disclosure Determination; and
- the Auditor-General's quality control requirements, which incorporate the quality control requirements of Professional and Ethical Standard 3 (Amended) issued by the New Zealand Auditing and Assurance Standards Board.

The Auditor-General, and his employees, and PricewaterhouseCoopers and its partners and 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 business, this engagement, financial modeling training and assistance and the annual audit of the Company's financial statements, we have no relationship with or interests in the Company.

Use of this report

This independent assurance report has been prepared solely for the directors of the Company and for the Commerce Commission for the purpose of providing those parties with reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination and whether the Related Party Transaction Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination and the Input Methodologies Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the Company or the Commerce Commission, or for any other purpose than that for which it was prepared.

A handwritten signature in black ink, appearing to read 'Nathan Wylie', is written over the typed name and title.

Nathan Wylie
PricewaterhouseCoopers
On behalf of the Auditor-General
Christchurch, New Zealand
26 August 2019